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<120> BIOMARKERS AND ASSAYS FOR CARCINOGENESIS

13 |<130> 3170/00/US

<140> US/09/490,609
<141> 2000-01-25

<150> US 60/118 078
<151> 1999-01-29

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<213> *Fattus norvegicus*

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<212> DNA
<213> *Fattus norvegicus*

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gactgtggtt ttctggacgt gttgtgtctg ttagtgtctt ttgactttt gtttcgtgtt 180
tgaatttggta ctgacgactg tggta 206

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 <212> DNA
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<400> 5

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<220>
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 <223> unsure at all n locations

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 aagaaacta ttcttgcata atggctaccc caaaacgatc tgcttggta tccaaaggst 180
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 <211> 156
 <212> DNA
 <213> Rattus norvegicus

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 <223> unsure at all n locations

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 caaggaggtg actggacaaa ctagcatgtg gcctta 156

<210> 8
 <211> 103
 <212> DNA
 <213> Rattus norvegicus

<400> 8
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 <223> unsure at all n locations

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 gggatta 127

<210> 10
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 <212> DNA
 <213> Rattus norvegicus

<220>
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 <223> unsure at all n locations

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 tacttctgca aaaccaactg tgcgtttttt gaaggagaga ctccagatga aacagttatc 180
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 ttttctgcca ctgcgtgaag accttaactga aatcctgtcc agatgttgta agtctaccc 360
 agaayactgc atggccagag agctgcctga acacacatta 400

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 <211> 57
 <212> DNA
 <213> Rattus norvegicus

<400> 11
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 <213> Rattus norvegicus

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 tgctccagtg ggattgcaca agaatgtctg tgcaagaagca aagacagcct ttttaccagt 180
 gtggccaaag cttcacaca tacggtaac tttttacac tgtatgttt a 231

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 <212> DNA
 <213> Rattus norvegicus

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 <222> (1)..(295)
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 ctaaataggc ccccaagtga cagcaaaatg gtgcggaaagn tctactacag cactgctaa 180
 aaccgacagc tgagaagccg gatagcttct gaccttaggtt gcacacaccc aagtccctaa 240
 ctggacccctg atagccaaaca aatgggagca gtgtttgtc tcttttagcac ctta 295

 <210> 14
 <211> 188
 <212> DNA
 <213> Rattus norvegicus

 <400> 14
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 ctgtacgatt gcccgtggaa gaagcactgc agtgtttgac agagcgtgct atgagttggc 120
 aagatagagc acgacaagct ttagccacag atgaactgtc ttctggccctg gccaaactct 180
 ctgtgtta 188

 <210> 15
 <211> 194
 <212> DNA
 <213> Rattus norvegicus

 <400> 15
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 aaagtctgtgg ctta 194

 <210> 16
 <211> 164
 <212> DNA
 <213> Rattus norvegicus

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<222> (1)..(164)
<223> unsure at all n locations

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gttggctgg atcattccaa cgatgatggg aaatctactc tctgaaggca gaatgaatga 120
gaaaatggcc agttcttct tgaagaggtt cagccctaac ctta 164

<210> 17
<211> 43
<212> DNA
<213> Rattus norvegicus

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<221> unsure
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<223> unsure at all n locations

<400> 17

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<210> 18
<211> 426
<212> DNA
<213> Rattus norvegicus

<400> 18

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gaagaccata ggcctgacac aggatgtcag tcaatgtcac agaatggatt tgaacactct 180
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gctaggcatt gtctgatgtg gtgaccctgc agggacagcc ctttgttctt gacagccaca 360
gccttcagtg agcctggatt tcctgtgtc tttcttagga agttctccct ggatgactgc 420
tggta 426

<210> 19
<211> 212
<212> DNA
<213> Rattus norvegicus

<400> 19

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cagtaagaac acggccagca tttcagagtt gctggacggt ggctctcacc ctgggagtc 120
gctaaatgtat ttccactact gggatataatgt cgtccccgag cccaaacctca aacgagggtgt 180
gttttgaagag acaacatgcc agaattttgtt ta 212

<210> 20
<211> 215

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<212> DNA
 <213> *Rattus norvegicus*
 <400> 20
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 actggctgga yaggagacag cgtcttaca gttgtacttg tagccttcac aggtcaggct 180
 ggtctgccc actcttgtcc attgtacgtg cgta 215

 <210> 21
 <211> 286
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 21
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 ggctggttac ttagcaggag tagctgagct gagctggccc tggaggcctg gagcctggag 120
 gcccggagt agggcccagg atgcagggtgc taatgtctat cccggcgct cttttcccg 180
 actctaccat gggatgtaaac tccaggaccc ctgcctatctc cggtacccaa agactgtggc 240
 ttccgtgtct actcagaaat cagttctact tcttaaacag tttta 286

 <210> 22
 <211> 227
 <212> DNA
 <213> *Rattus norvegicus*
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 <222> (1)..(227)
 <223> unsure at all n locations
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 ttagntnctc ttgcattgc aagtgtgtg tttgtctgt gccttatgct cttctctcat 180
 acctgcaaaag gatgcattgt tacttgcattc tcaactcctc ctgttta 227

 <210> 23
 <211> 51
 <212> DNA
 <213> *Rattus norvegicus*
 <220>
 <221> unsure
 <222> (1)..(51)
 <223> unsure at all n locations
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 <210> 24
 <211> 83
 <212> DNA
 <213> *Rattus norvegicus*

<400> 24

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tctagaagac agtcagtgcc tta 83

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<211> 322
<212> DNA
<213> Rattus norvegicus

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<222> (1)..(322)
<223> unsure at all n locations

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gtaattacaa acctattatc agctatccct tacattggg ctaccctagt cgaatgaatc 180
tgaggaggct tctcagtaga caaagcaacc ctaacacgct ttttcgcatt ccacttcate 240
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tcaaaaataacc ccacanggat ta 322

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<211> 178
<212> DNA
<213> Rattus norvegicus

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ggacagagaa cagttcaaac tcngggagat gcaaagccgg tatgagcaac ctgcatta 178

<210> 27
<211> 275
<212> DNA
<213> Rattus norvegicus

<400> 27

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<210> 28
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 acatta 136

<210> 33
 <211> 146
 <212> DNA
 <213> *Fattus norvegicus*

<400> 33

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 tgcgttgtagg auaatcatcg tcatta 146

<210> 34
 <211> 125
 <212> DNA
 <213> *Fattus norvegicus*

<401> 34

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 <216> DNA
 <217> *Fattus norvegicus*

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 <223> unsure at all n locations

<400> 35

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<210> 36
 <211> 193
 <212> DNA
 <213> *Fattus norvegicus*

<400> 36

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 cgttgaactc ggttgtatag gtggattgtat tacaacagtc aactcccagg gtctgacttt 180
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<213> Fattus norvegicus

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aaggccctgag cttccagatt gcaggggcaag atccagttag agcaagantg ctctctgtc 180
cagaagtcaa tccaaagaagt gctta 205

<210> 38
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<212> DNA
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<400> 38

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<210> 39
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ctttcagcta aatgtgaaga acatcaccca atcctta 157

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<212> DNA
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aggttatggc tcccttggca tgatgaccag tggctgtt tggccatgt gtaagacgg 180
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agcaaaagctt gacaacaata ctgagctcag cttctttgtca aatgctttgg aagaagtctg 360
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<211> 346
<212> DNA
<213> Fattus norvegicus

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ccaaacaactg gttcataaaag gtagatgcag ggtacttac acacactggg ctgggcagct	180	
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<211>	239	
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<221>	unsure	
<222>	(1)..(121)	
<223>	unsure at all n locations	
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 <211> 105
 <212> DNA
 <213> Rattus norvegicus
 <220>
 <221> unsure
 <222> (1)..(105)
 <223> unsure at all n locations
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 gcccatgaca agccttcctt tcaccactgt cggacgacat gatta 105
 <210> 47
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 <213> Rattus norvegicus
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 <221> unsure
 <222> (1)..(52)
 <223> unsure at all n locations
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 <210> 48
 <211> 442
 <212> DNA
 <213> Rattus norvegicus
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 gtcacatcca tcgctcacag gctgcacacc atcatggaca gtgacaagat aatggccata 120
 gacaacggga agattgtcga gtatggcagt cctgaagaac tgctgtccaa cagaggttcc 180
 ttctatctga tggccaagga agccggcatt gaaaatgtga atcacacaga agctctagca 240
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<212> DNA
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 <221> unsure
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 agatggggcc gcaagctaac acctcaggga cagagagatc tggacaggat cgcggacag 180
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 <220>
 <221> unsure
 <222> (1)..(248)
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 <211> 198
 <212> DNA
 <213> *Rattus norvegicus*
 <220>
 <221> unsure
 <222> (1)..(198)
 <223> unsure at all n locations
 <400> 52
 gatccctaca agaggngagac aanacttcaa catagtgtgt gagctattct cttcggtccg 60

atcataccta gtagtttagag ccctctaccc tgagaaatcc agatggatga agaaaagata 120
gctaacagct accagagggt gcatttggat gaaggaataa catctaatgt tntacaggat 180
aaacnntaact gacaatta 198

<210> 53
<211> 166
<212> DNA
<213> Rattus norvegicus

<220>
<221> unsure
<222> (1)..(166)
<223> unsure at all n locations

<400> 53

gatccatcg ctcangcngc anntcaggtg cantcttggaa gagagatccc aaaattcttc 60
atggcaacacc tctttcagtc tggagnnaac tctaaatagt gtgaccatgt aggacagagt 120
aaaggcagg gagtgaatta gagaagagtt ggnngtctgg ggatta 166

<210> 54
<211> 190
<212> DNA
<213> Rattus norvegicus

<220>
<221> unsure
<222> (1)..(190)
<223> unsure at all n locations

<400> 54

gatccgagga catnctnctg gattcacaac tcttcaacct caggacggcg acgtcgctca 60
atggggattt gtttttcgat tgcgtggcc tctgacaaaa gagaaaagat agaagagaac 120
ggcagcatga gagttttgtt gcagcacatc gatgtttgg agaattcctt aggctncnag 180
ttccgttatta 190

<210> 55
<211> 178
<212> DNA
<213> Rattus norvegicus

<220>
<221> unsure
<222> (1)..(178)
<223> unsure at all n locations

<400> 55

gatccctagtt cagggnngc tgnaggtaaa agctgttcta cagtcactct cttcctaata 60
cagtgctgtg acgttnacttc taatagacga naattagana cagcctgctt gcccataaca 120
ggaaagtgtat cactgagatg atagcgtgtc cattgtatgg gcccncctcag caacgtta 178

<210> 56
<211> 240
<212> DNA
<213> Rattus norvegicus

<210> 60
 <211> 91
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(91)
 <223> unsure at all n locations

<400> 60

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 ggtgatcacgg ggttggnnn acacaacctt a 91

<210> 61
 <211> 332
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(332)
 <223> unsure at all n locations

<400> 61

 gatctggacg c'gntgnctt cagtganng ctgcctctgt gcaattgaca tccacaacna 60

 aacactctat cacatcacan tggacatt ctccttgc ctggacact tcntctcgga 120

 gtttgtttgtat tttggacacg cggctccac agtttgtgtg ctggcacct tggatggatc 180

 aatgttttca aacctggta tgctagttgg gtcgggtac ctanaagcag aaccagtatc 240

 tggacagaag naaagaaatt gaggccancc ttgnagctc tgatacatca tggtnntca 300

 cttttgtctt ttannacac tctctgtcct ta 332

<210> 62
 <211> 274
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(274)
 <223> unsure at all n locations

<400> 62

 gatctgattc agaccaagga aaatatgcaa aatatgtgag ggccatgga atcactaggg 60

 acaatatcat tggatctaacc aagactgatc gctgtctcca gcccggagga tgaagaaagg 120

 ctggccctc cagtggnnnn nnnnnnnnnn nncaccagga ctctagcatc accatttct 180

 gttccatggag cttcttgaga caaattctgc gatctgtatgt ccattctctg tcacagaaaa 240

 gttccatggag cttcttgaga caaattctgc gatctgtatgt ccattctctg tcacagaaaa 274

<210> 63
 <211> 70
 <212> DNA
 <213> *Rattus norvegicus*

<220>

<221> unsure
 <222> (1)..(70)
 <223> unsure at all n locations
 <400> 63

 gatctcaat taennnngtgn atgtactca accctgaata nanttcatac acagnccagt 60
 tatactgctta 70

 <210> 64
 <211> 280
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(280)
 <223> unsure at all n locations
 <400> 64

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 ggcacttas tataggtnat aaggtcaactg tgnccctcag caggnccaag cactgcatgt 120
 aaggnaaggaa gggtccagga gctgtccaga gcccattta gctctccttc tggtagaa 180
 ataaagacag agtgtgcaaa gagaggcagt cagcaactccc tcntgctcag ggaacctgg 240
 aacatgtgg acaggcatgg ggtanncta ctttcatta 280

 <210> 65
 <211> 202
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(202)
 <223> unsure at all n locations
 <400> 65

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 agacagacag gccatcagtg tggaaatgtcc gagaaggcga ttgaaaagt tatcagacag 120
 ctactcgaaa agaatgactc aaaggacca ccccaacttcc ctctcattt agccatgtat 180
 aacttcttta aactctggat ta 202

 <210> 66
 <211> 162
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(162)
 <223> unsure at all n locations
 <400> 66

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 ggcataatgac accacgttng gactagcagc tgggtcttt accaggacat tcagaggcgc 120
 acaggtggcg gctgagctnc aggccgcnaa cgtgctacat ta 162

<210> 67
 <211> 57
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(57)
 <223> unsure at all n locations

<400> 67

gatcittata gncatgaatg cacaactcat tgaatggcaa gaannttcct gtcatta 57

<210> 68
 <211> 131
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(131)
 <223> unsure at all n locations

<400> 68

gatc:ttgca aacnnccaaa ttctctctac cagagagatataaattactt gagtttcttc 60
 tgtatataan agagaatgtc tttagtgtggt tgtgagtgac agtgaattc aatgnncnta 120
 anaggracatt a 131

<210> 69
 <211> 77
 <212> DNA
 <213> *Rattus norvegicus*

<400> 69

gatccactc taatctggat gctgagctgg gaagacacac ccctttatca ggctttgagt 60
 gagaagacac cttttta 77

<210> 70
 <211> 353
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(353)
 <223> unsure at all n locations

<400> 70

gateccccctg tctccgcctc ctcgtgtgg gataaagctg tgcgtccagc ccccaagctag 60
 acactttgga actgggtggtagccctcag tatcatctg aacaccagg tgggctctg 120
 cagtgccctt tggcttcac tgggtttgg acgaaggagt gaggccctg cttccgtca 180
 tggatgtact gtagtgtgct gctgtactat ctcggtaag tccctgtca aagatgaaag 240
 tccacagcaa aaggcangtt cgattccag tgcctgctca cagctgcctg tatcttgatc 300
 tgcaggggac cctgtgcctc tggttctgt ggatacaat gtgtatgccc tta 353

<210>	71		
<211>	187		
<212>	DNA		
<213>	<i>Rattus norvegicus</i>		
<400>	71		
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	gtctcttaat cuccacgacc atcacatga attctgcctt atgccttgac ttcggtcatt	120	
	ttccctgaga ttcatactgt gattcccgct gtattcctag cccttcattt ttcctgacat	180	
	gccttta	187	
<210>	72		
<211>	116		
<212>	DNA		
<213>	<i>Rattus norvegicus</i>		
<400>	72		
	gatccggagcc ttgtgtgcgt actgtgacac agaacagata tcaccagact ggagcccatc	60	
	atctgagccc cuatgtcttc tacacaccag aattctatct ttttagcagtg acttta	116	
<210>	73		
<211>	147		
<212>	DNA		
<213>	<i>Rattus norvegicus</i>		
<400>	73		
	gatccggatc ctattgtctt cataacacact ggctcccaag acttgattgt gaatgactag	60	
	gttatttagca guatgaaggaa tggcctcaaa cgaagaaaga tgcacacccc tcgaggctct	120	
	tcagaatgct ggtatagaggc ttactta	147	
<210>	74		
<211>	195		
<212>	DNA		
<213>	<i>Rattus norvegicus</i>		
<400>	74		
	gatccctgggt gaccctccct gaagcagtga gcaccacagg ttctgctgtg gaccagagcc	60	
	ccctctgtgga gagggagaaa gaaaggggag ccgctgaccc gcagggtatac agaccttccc	120	
	cacagcctgg cagccgccccg tttgttgcag cttattatca gactgtgggc tatcatagtt	180	
	catgtcggtt tctta	195	
<210>	75		
<211>	100		
<212>	DNA		
<213>	<i>Rattus norvegicus</i>		
<400>	75		
	gatccctagcc acatctgaag ccatgaacat aatttcattt cttacagaca cataccagcc	60	
	ttgaacaact tattttcctt gtatcgatag agggtgctta	100	
<210>	76		

<211> 395
 <212> DNA
 <213> Rattus norvegicus
 <400> 76

 gat~~t~~accac tgc~~at~~tgacc t~~g~~actgactg tgct~~at~~g~~tc~~ ttc~~gc~~c~~tc~~ta tgaaatgtgc 50
 ctg~~at~~tg~~tc~~ t~~g~~t~~tc~~at~~cc~~ t~~g~~t~~tt~~tg~~ta~~ gagc~~gt~~gg~~tt~~ cacag~~ac~~ctt~~gt~~tg~~at~~g~~ag~~t 120
 jaagg~~gg~~aa~~cc~~ c~~ag~~gtt~~c~~aga t~~tc~~c~~gt~~tt~~tc~~ ctg~~tt~~ct~~gt~~ ct~~tt~~tt~~tc~~ca gc~~ag~~c~~ag~~gt 130
 agg~~aa~~uc~~ac~~gc ct~~tt~~tg~~ca~~ cataca~~aa~~ag at~~g~~aag~~cc~~ca t~~g~~at~~g~~ag~~t~~t~~c~~ gtggaa~~ac~~ca 240
 cc~~aa~~act~~ca~~ t~~g~~c~~ac~~cc~~tc~~gt gg~~gt~~g~~ac~~ct~~cc~~ ac~~tc~~ac~~ac~~ag cg~~c~~ag~~ag~~ca~~g~~ agag~~ac~~cc~~cg~~ 300
 gg~~ag~~gt~~tg~~ct~~g~~ c~~ag~~g~~ct~~tc~~ac~~ t~~g~~ag~~ct~~tt~~cc~~ tt~~g~~cc~~ca~~ag~~ac~~ t~~g~~g~~ca~~acc~~ga~~ ct~~tt~~g~~ct~~tc 360
 tt~~tt~~tg~~aa~~aga ct~~ct~~ag~~ct~~aa agt~~c~~ag~~cg~~tt~~t~~ g~~t~~tt~~a~~ 395

 <211> 77
 <212> 56
 <213> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(56)
 <223> unsure at all n locations

 <400> 77

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 <211> 78
 <211> 164
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(164)
 <223> unsure at all n locations

 <400> 78

 gat~~t~~ac~~ga~~a g~~cc~~at~~tt~~acc ac~~gg~~gg~~tc~~cn nat~~gg~~tg~~gg~~gc att~~cc~~cat~~gt~~ tt~~gg~~tg~~at~~ca 60
 g~~cc~~ttaca~~ac~~ a~~t~~cg~~ct~~caca t~~g~~gagg~~cc~~aa g~~gg~~ag~~cg~~cc g~~t~~gaa~~ag~~t~~cg~~ c~~ca~~t~~ca~~ac~~ac~~ 120
 gat~~g~~acc~~ag~~gc g~~c~~ag~~tt~~gc t~~c~~ag~~tg~~c~~tt~~ gag~~ag~~cg~~gt~~tc att~~a~~ 164

 <210> 79
 <211> 207
 <212> DNA
 <213> Rattus norvegicus

 <400> 79

 gat~~t~~cc~~ac~~c ga~~ac~~t~~gg~~tg~~a~~ ag~~ag~~ca~~ag~~ct c~~ag~~g~~g~~ag~~ac~~c act~~gg~~gg~~ca~~g c~~c~~t~~g~~caa~~at~~ta 60
 t~~g~~gg~~gg~~c~~ttt~~ g~~gg~~c~~t~~cc~~ca~~ c~~c~~act~~gt~~tg~~tc~~ c~~c~~ac~~gt~~gg~~at~~ g~~gt~~aaa~~ac~~ct ac~~at~~g~~ct~~att 120
 t~~g~~gg~~gt~~ct~~g~~ac c~~g~~cat~~gg~~ag~~t~~ t~~g~~t~~ca~~g~~tt~~ta c~~c~~t~~g~~ct~~ag~~ga g~~ag~~a~~ag~~t~~gg~~ta t~~g~~gg~~cc~~c~~tg~~t 180
 g~~cc~~cc~~cc~~aa~~ac~~cc ct~~g~~aa~~tg~~cc~~a~~ gact~~tt~~ta 207

 <210> 80
 <211> 112

<312> DNA
 <313> Rattus norvegicus

 <320>
 <321> unsure
 <322> (1)..(112)
 <323> unsure at all n locations

 <400> 80

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 atgacacatc ccgggagttg ccacactagc aagagcctgg ctgnttcctt ta 112

 <210> 81
 <211> 183
 <212> DNA
 <213> Rattus norvegicus

 <400> 81

 gatctccaaa ggccagaatt tccacagaca atctcttcac aactgtttgg aaggcattta 60
 gcaacaattcc tgtgtgagtt ggaatgatgt atttgcttac caaagctcaa gatcatccac 120
 aggacaacca cagagtccac atcaaaggag agaggtggtc tttgttgc tca 180
 tta 183

 <210> 82
 <211> 118
 <212> DNA
 <213> Rattus norvegicus

 <400> 82

 gatctcctgg ttttctaaaaa gactgaccaa taattcttca catgtcagaa tctgttatgt 60
 ttgtctgacc tccatgggag attttgttca tggctaaaat aaaggctaaa taagctta 118

 <210> 83
 <211> 264
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(264)
 <223> unsure at all n locations

 <400> 83

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 tgggtttaga tggggacagg agttttctc cttgcctt ctggggatgg agaaggctca 120
 aaccaagncc atgttgtctg gagaggtgca cccaggggtg aagggtctg agaggccctc 180
 cacctaccct cagagagcct gggttcctca gggctcagt gggcagcac ttttgttat 240
 tgcgtgata agttcgttagc atta 264

 <210> 84
 <211> 60
 <212> DNA
 <213> Rattus norvegicus

 <400> 84

gatctccag gactcaagac accagttggc agaggaagag cctggcttcg gttggcatta 50
 <210> 85
 <211> 136
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 85

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 tagccctggc tgtctggaa ctctgttagac tgggctggct tctgactcag agctctgcct 120
 gctctgtcg ggatta 136

 <210> 86
 <211> 85
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 86

 gatccaagggt atgaagacgc agagtaaacc ctcagttatc aaacggaaaa agatggcag 60
 ctaagatgca tataaagggg agcta 85

 <210> 87
 <211> 145
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 87

 gatccaaaga tttctaactt ggctcccttg ggcatccctc gaaggattat caagaacaca 60
 accttccgtg gttttttctt ccccaagggc accgatgtgt tccctatatt agttctctg 120
 atgacagacc caaagttctt cccta 145

 <210> 88
 <211> 346
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 88

 gatccagtaa attctcttca attccctgtt gatttactaa gtgaccaccc atttcctgcc 60
 ctcaactaagt gacaataacct tccctgcaga cccactaata cacgcttct tcataatccta 120
 ctcaaggaaat gaccatgtca actgagccct tctgactgac tgcgtactg tccttgcata 180
 ttgccactct catgtccccctt ccctctctca ctgccacact cctccatcag catgttagaga 240
 gtgtctttttt caactttggt ctttcctttt gtggacaaca tttctgcataaa agagcaaggg 300
 tctggaaactt gcccggcctt ctgacccttg gatgtgtgtg ctgcta 346

 <210> 89
 <211> 205
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 89

 gatccagagt tcaaggtcag cttggatac atatgcagtt ccagaccaac ctggatata 60

ggagacccca tctcaaaaaa acaaaccaac cctgccctcc agtaaccgtc caggagagt 120
 tgggggtgca ggctgagccg ctctataccc agectctgag aactttgtcc tctggcaac 180
 ttgatagct ggggttggtt ggcta 205

<210> 90
 <211> 211
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 90

gatcgagaag acatcacaaa taatcctctt gaatagtctt tggcaactg ggccttcctg 60
 acctgtatca gagagaattc tggggggctt cgagggaccc tacactccat gtcggcgttt 120
 tcggcggccc ccacctcacc cccatctctt tagtcttacc tgagggtgg 180
 cttaatgttt ctctgttgc ttcctaccct a 211

<210> 91
 <211> 166
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 91

gatccatagt atagtcctcg tcccacatgg aggaataggc agatgaaaaa tattgaggcg 60
 cgggtggcgt gtaggtatcg gattagtcag cgttagttt cgttcggca gatgtgggtg 120
 atttatgaaa atgtctttat ggtatcagac gtgttagtcta ttgcta 166

<210> 92
 <211> 148
 <212> DNA
 <213> *Rattus norvegicus*
 <220>
 <221> unsure
 <222> :1)..(148)
 <223> unsure at all n locations
 <400> 92

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 tggggtttcc tcattgcatg cgatagggtg atcatgattt ccccaactaac tcattttctg 120
 gctggcctct tttatnagc tcggcccta 148

<210> 93
 <211> 52
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 93

gatccatgga ggtggactaa taatagcggc gcatcaccct atagtgtgac ta 52

<210> 94
 <211> 43
 <212> DNA
 <213> *Rattus norvegicus*

<210> 100
 <211> 72
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 100
 gatccttaca **agaggaaagac aagacttcaa catagtgtgt gaggctattc ttcttcggtc** 50
 cggatcatacc **ta** 72
 <210> 101
 <211> 200
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 101
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acaactcaaac accctgtatt catctaaggg tctgggagag tctgggtgt tcctgggtg 120
tttcgttattt tttgcatcc atgacgcagt gaggcagcg cggcaggaga gaggcatctc 130
tggaccatgg aagcttacta 200
 <210> 102
 <211> 143
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 102
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ctgtttttagt aactccggat actacttgc ctctggcttgc gggcgaagga agtgcacccc 120
agataaaaag caacacattt cta 143
 <210> 103
 <211> 343
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 103
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cttacaatcc tggcaaggatt ccacccaaat cagcagcgt cacggccctc cttcaactgtat 120
gtgtgttctg cctgctcagc ccctgcacaca gaggccttgc ggtgtggag tggccctaa 180
gcacagtcgttgc ccatccatttgc ccgcagaccc tttggacccca cccccactcc ctccagacac 240
tggtaagaga agcccttctg caacatgtcc tggcttcagg aggtgagaca gcagagtgct 300
tccatttcact cgatgacccc attttgctc ttcccttggg cta 343
 <210> 104
 <211> 41
 <212> DNA
 <213> *Rattus norvegicus*
 <220>
 <221> unsure
 <222> (1)..(41)
 <223> unsure at all n locations

<400>	104	
gatcggggc aatgcgtggc atttcctct cattggccct a		41
·210·	105	
·211·	67	
·212·	DNA	
·213·	Rattus norvegicus	
<400>	105	
gatcggggagg aactacagagg acatggatat ctacgtcaca gccaatggca ttgatgtatct	60	
tgcgtata		67
·210·	106	
·211·	192	
·212·	DNA	
·213·	Rattus norvegicus	
<400>	106	
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ttatgcccctg cactgacaca ttaaaggcctt ggtacaggcc cttaatccca tcagattgt	120	
agatcttaac caggcagtc a ccaaggcctt tgaattccct ttcagctcca gctttgccca	130	
catacugctgc ta		192
·210·	107	
·211·	97	
·212·	DNA	
·213·	Rattus norvegicus	
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gaggtctcc cgagactccc tgtactcacc cctgcta		97
·210·	108	
·211·	42	
·212·	DNA	
·213·	Rattus norvegicus	
<220>		
<221>	unsure	
<222>	(1)..(42)	
<223>	unsure at all n locations	
<400>	108	
gatcctatcg tgacctgttg gacangaagg gagtgttgc ta		42
·210·	109	
·211·	67	
·212·	DNA	
·213·	Rattus norvegicus	
<400>	109	
gatcctatct taaagtagaa tgaaatctag ggttggggat ttagctcagt ggttagagcac	60	
ttgccta		67

<210> 110
 <211> 207
 <212> DNA
 <213> Rattus norvegicus
 <400> 110

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 ggttagtggc gaacctggag tcacagtcac tcgcctggcg gtcagccaag taccacgaag 120
 tgggaagcca gctgagctgc tgaagatgtt tggatttgac aaagacgcca ttgtgcaagc 180
 tgtgaaggc cttgtcacca agggcta 207

 <210> 111
 <211> 271
 <212> DNA
 <213> Rattus norvegicus
 <400> 111

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 ttccacaatct ttccctgtga tgaattagca tctccagtc tctgcctata tagtagatat 120
 ggaccacaaa gaagtaaata atggtgtca attttgcga aggaatctt agaggccac 180
 acaattccaa attctcaatt catgtcagag attgaatgtat tgaaaagctt tctgcagtaa 240
 attatattacc ctatttctt agcatgtact a 271

 <210> 112
 <211> 415
 <212> DNA
 <213> Rattus norvegicus
 <400> 112

 gatcctcaaa gtggctcagg aacactttgg caaaggcaaa tcaaaagact tccaaactgtt 60
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 gcccccaagg atggactaca ggctgtaccc ggccacagc tatgtcactg ccattcgaaa 180
 tcagcggaa ggcgtgtgcc cggaggcgc catgcacagc ggcgcgtga aatggtgtgc 240
 actgagtcac caagagagag ccaagtgtga tggtggagc gtcagcagca atggccagat 300
 agagtgtgag tcagcagaga gcactgagga ctgtatggac aagattgtga atggagaagc 360
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 <210> 113
 <211> 152
 <212> DNA
 <213> Rattus norvegicus
 <400> 113

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 gtgtgggtg taagaccaca ccctccagag gaaagaaagg ctccctctcg gttgtgcgc 120
 tgactttctt atactgtcc cttgtgccac ta 152

 <210> 114

<211>	295	
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<213>	Rattus norvegicus	
<400>	114	
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<211>	76	
<212>	DNA	
<213>	Rattus norvegicus	
<400>	115	
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<210>	116	
<211>	290	
<212>	DNA	
<213>	Rattus norvegicus	
<220>		
<221>	unsure	
<222>	(1)..(290)	
<223>	unsure at all n locations	
<400>	116	
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<212>	DNA	
<213>	Rattus norvegicus	
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<210>	118	
<211>	93	
<212>	DNA	
<213>	Rattus norvegicus	

<400> 118
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 cacattttagt cactttgtgt cacccggaat cta 93

 <210> 119
 <211> 145
 <212> DNA
 <213> Rattus norvegicus

 <400> 119
 gatctacacc acagtttcta acagtagcaa cattacagcc atgaagtagc agtggaaata 60
 actttgtatgtt ggggggaatc accagaatat gaggaactgt attaaagggt cgcagcattc 120
 ggaagggttga gaagccactg ggcta 145

 <210> 120
 <211> 34
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(34)
 <223> unsure at all n locations

 <400> 120
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 <210> 121
 <211> 45
 <212> DNA
 <213> Rattus norvegicus

 <400> 121
 gatctaggcc ccttcctcc tctaaccttc tttctctctt gccta 45

 <210> 122
 <211> 363
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(363)
 <223> unsure at all n locations

 <400> 122
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 ctgtatgaatg accncacatg tcacagctaa agtccaggaa gagattgacc gtgtgattgg 120
 cagacatcgc agccccgtca tgcaggatag aaaacacatg ccctacacag atgccatgat 180
 tcatgaggta ncagagattt attaactttt tcccgaccaa cctgccccat gcaagtgtt 240
 gtgacattaa attcaggaaac tacctcatcc cgaaggaaac aaaagtgtt aacatcactga 300
 catcagtgtt gcatgacagc aaggaggatcc ccanccana gatgtttgcc cnanccactt 360
 cta 363

<210>	123
<211>	132
<212>	DNA
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<400>	123
gatctcaggg gaggtatgtc taaggccaga gctttcetc agtatttgat tttccagtg 60	
tttgggggg taaaaactga caggtgtac atttctatct gttggttca attctgccc 120	
atttcatgtc ta 132	
<210>	124
<211>	89
<212>	DNA
<213>	Rattus norvegicus
<400>	124
gatctcagca gctgggtgt cacagttagaa taagaatggc tggcatttaac cttccctgtg 60	
agtgacgtga atgaatgcct acctggcta 89	
<210>	125
<211>	205
<212>	DNA
<213>	Rattus norvegicus
<400>	125
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tgggttctg ccgatcacct gctcaatttc ctcatggacc ttggccctcca catctggatg 120	
cttcatgagt agaaggaagc cgtacgttag tggagctg actgtctcaag acccagaaaa 180	
gaagaggctt agtgtgtca tcacta 206	
<210>	126
<211>	71
<212>	DNA
<213>	Rattus norvegicus
<400>	126
gatctcccg agtcaagtcct ctttgcattc tccatttcga gccacaacag catgagaagg 60	
gatccgggct a 71	
<210>	127
<211>	129
<212>	DNA
<213>	Rattus norvegicus
<400>	127
gatctcccg ggagtgtatgc tggaaagaag gcaaagccag aaactcaata aagtatgacg 60	
tttaacgtgt ggccctccagg tgcatttcata ctgtttgcca aaattgagct gctcaagac 120	
aaggtacta 129	
<210>	128
<211>	247

<212> DNA
 <213> *Rattus norvegicus*
 <400> 128

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 accatcgaac taaaaacggg acccccgtt aaggaatcag agaaaggact ggaagagett 120
 gaagggggtt gagaccccat atgaacaatg ccaagcaacc agagttcca gaaactaagc 180
 cacttccaa agactgtaaa tggactgacc ctgggttcca acctcatagg tagcaatgaa 240
 Lagomia 247

 <210> 129
 <211> 347
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 129

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 ccaatggagt aacaagttagg cccttgcac actggggact cacagagagg acctgtccac 120
 attgatcttgc gcaaggccccc tggccttctg cactgtggtt ctcttcctt cctgtccct 180
 ttccatgttt tgcagcccc atctcccaa ctcacccca gtcatgccc catagtttc 240
 attcacccca ctltctttca tagtggtccc cttctttatc gacacccaa cacaacccaa 300
 cagttttttt ctgtgatttg aggtctgccc tgaactcagt ctcccta 347

 <210> 130
 <211> 431
 <212> DNA
 <213> *Rattus norvegicus*
 <220>
 <221> unsure
 <222> (1)..(431)
 <223> unsure at all n locations
 <400> 130

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 accgtttgg caaaagacag gacaaaaaac cggtacttgc ctgcctttga aaagggtttg 120
 aagaggatg gcaagacta ctttgcgtt aacaggctga cccgggtaga catccacctg 180
 ctgaaacttc tcctctatgt tgaagagttt gatgccagcc ttctgaccc ttccctctg 240
 ctgaaggccct tcaagagcag aatcagcagc ctcccaatg tgaagaagtt cctgcagcc 300
 ggcaytcaga gaaagcttcc cgtggatgca aaacaaatcg aagaagcang gaagatttc 360
 aagttttagc ggagctgcac tgtccaaattt ctttatgctt tgcanaaaat gagaagcaat 420
 tggatcct a 431

 <210> 131
 <211> 180
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 131

gatctggatg aaatagttct ccattaccct tacatcccc ctggggagaa agaggcaagt 60
 cttgccaaaa tcaaggacaa agcaaggaac cgttacttgc ctgcctttga aaaggtgtt 120
 aagagccatg gacaagatta tctcggtggc aataggctga gcagggctga tgttaccta 180

<210> 132
 <211> 156
 <212> DNA
 <213> *Rattus norvegicus*

<400> 132

gatcttactg tgcacagctt tagatcatga tgtttagcag attgttaactt ccattcatga 60
 gaagaaaactg cacaaccat ctcattcctg tcttatcttt attgtattgg aagcttttt 120
 taagttacca tatttttagag cgttggtagt gcccta 156

<210> 133
 <211> 187
 <212> DNA
 <213> *Rattus norvegicus*

<400> 133

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 gctcugcaac aatgaagtat tttgactaaa tggaccgt acttattggg aggtaacat 120
 gttttctaaag gtttctgtgt taattcatat agacatgact catgaggaat tgctggatg 180
 ccattata 187

<210> 134
 <211> 295
 <212> DNA
 <213> *Rattus norvegicus*

<400> 134

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 gttctgtgg gaaaggccc agatacacac tccagagcta actctgaaac gtcaagaaat 120
 caaagcccaag aatctcggtt aggcgaatgg agactccca aaggacacgaa aacagcttt 180
 aaagttagcgg gcaagtgtgtc cgagaagctg ccctccagca gcctgctcat ggacagagct 240
 gaagcagcca gcttgcaca gtcggcaggc cacgaggact gggaaagtggt gtcta 295

<210> 135
 <211> 93
 <212> DNA
 <213> *Rattus norvegicus*

<400> 135

gatcttgca agggaaatgg tcagcatcg ccctgtctt cagcctgtgc tttgagtctt 60
 tgcctccatc ctcacactt tccctccatg cta 93

<210> 136
 <211> 156
 <212> DNA
 <213> *Rattus norvegicus*

<400> 136
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 ttggaaaagt gcagcgaatt ttaacgtatg tgcattgcct tgcgtgaaa acactattgg 120
 gatcacccccc ctgtgacggt attggagggtt tggcta 136

 <210> 137
 <211> 73
 <212> DNA
 <213> Rattus norvegicus

 <400> 137
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 ctgttgtcag cta 73

 <210> 138
 <211> 137
 <212> DNA
 <213> Rattus norvegicus

 <400> 138
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 tttagataag gtgatttttgg ttttagccac agactcatgg gagtagatta gtgttaatgtt 120
 ggatgttaactt cacccta 137

 <210> 139
 <211> 125
 <212> DNA
 <213> Rattus norvegicus

 <400> 139
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 tttggggctgg agttcaaagt tctgcagccc tccgtgcaca gagatgagaa gtttggaaag 120
 cta 125

 <210> 140
 <211> 103
 <212> DNA
 <213> Rattus norvegicus

 <400> 140
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 agccatggag aatgtgtgg tggtaactat ccaataccgc cta 103

 <210> 141
 <211> 172
 <212> DNA
 <213> Rattus norvegicus

 <400> 141
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 gagggaaaaga aactgggtgg cctgccttgc cctggaaagg aacagcgctc ccctgagtgc 120

ccggggcccg aaaagcaaag aacccttga tgcctccgc tgagactcac ta 172

 <210> 142
 <211> 238
 <212> DNA
 <213> *Rattus norvegicus*

 <400> 142

 gatccgtgtc gtcacaccc agagcaccaa ggatggggag ctcaggccat atggccaagc 60
 atgtgtggat gtcacaaag gtcagaagct actgtgtcc cctctggttt agatgggtgc 120
 tcaggagccc agacttcgac tcatgggtg ccagggaggg ctggggacaa caggggtcc 180
 ctccccaggc ccatctgctg ccccacactg atctgcctgt cttttctgct gctctcta 238

 <210> 143
 <211> 104
 <212> DNA
 <213> *Rattus norvegicus*

 <400> 143

 gatccgtatc tggctgttagc ttccgttccctc agcaaaacaga gcccattga aagccccat 60
 ggtatgtccct ccgattatgt ccacggggat gccacattct gcta 104

 <210> 144
 <211> 178
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(178)
 <223> unsure at all n locations

 <400> 144

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 gtacggcatg cttgtcaccc tcatggaga agctgtcttt gtcgggtgc tgtcttcct 120
 guaggaggag cyagttcagg ccagcagana gctgaaggc cccaaatgg tccagcta 178

 <210> 145
 <211> 157
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(157)
 <223> unsure at all n locations

 <400> 145

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 ccggggatcg ctgatagaca tgaagcgct gnaggtaaagc ctgaggcnnc ggccccatt 120
 ttttttgac taaaaaaa ggaatangaa cactcta 157

 <210> 146
 <211> 207
 <212> DNA

<213> Rattus norvegicus
 <400> 146
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 ctccgggtggc tggatcaaca gtcaggatc ccactaagggt gcccagctga attaccttca 120
 ctggagttaa atcccaattt ttgtgtttt tcattatgtg aatgttctta gctgttacat 180
 gagctacata gacatacttc tggctca 207

 <210> 147
 <211> 453
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(453)
 <223> unsure at all n locations

 <400> 147
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 tccacaaaggc tacgtctccc ttctcaacga ggcaactggaa agccccctgtta taaccattat 120
 atccctctctt gtgttcggaa gcacattttgc tgggccaat acacaggtaa cagagggtgg 180
 aattttttt atagccagga gcacagcctt gaaatgaaaaa ttcatcgaac ttgcagtgtt 240
 tttatcctgtt gaacagcagg cccataggaa tttccagcc ggcgggtctt tctactccag 300
 tttatggcagga cttcttgctt ttcaagggttgc tccatgttgc gctggagtctt gatgcctca 360
 ccacagccac ggcataatac ctttaggaa agacatctgtt ttgtgggtttt gtacacgaag 420
 agatatacata gttctctgtt atgacngggca cta 453

 <210> 148
 <211> 140
 <212> DNA
 <213> Rattus norvegicus

 <400> 148
 gatctatttc ttccatccctt gttctataaca atagaatgcc tctctgtctt gaagtcagtc 60
 caagaaatgc ttaatgggtt cctgtattct ttcttcgttgg attactcgtt gctgagttgg 120
 gacttctcac caggactctt 140

 <210> 149
 <211> 258
 <212> DNA
 <213> Rattus norvegicus

 <400> 149
 gatctacgca accgactcgg gcagttaccgc aacgaggtaa acaccatgtt gggccagagc 60
 acagaggagc tgcggtcgcg cctctccaca caccgtcgca agatgcgca qccctgtatg 120
 cgggatgcgg atgatctgca gaagcgctt gcggtgtaca aggccggggc acaggaggc 180
 gcccggcgcg gtgtgagtgc tatccgttgc cgcctggggc cactgggttgc gcagggtcgt 240
 cagcgcacag ccaaccta 258

<210>	150
<211>	98
<212>	DNA
<213>	Rattus norvegicus
<400>	150
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cttaatgaga agggctctgt cagcatggac ctggacta 98	
<210>	151
<211>	64
<212>	DNA
<213>	Rattus norvegicus
<400>	151
gtatctagatg acacggagga gccccaggac cttccctgag gtgatttcac cttgggtcc 60	
asta 64	
<210>	152
<211>	136
<212>	DNA
<213>	Rattus norvegicus
<400>	152
gatctccaca tcagtaactac aatggctatg agaaaggcct gcaagcttcc tccatggaca 60	
acacacctggg ccacggcttc gtcggcagg tagatattt cgatcttttc tggagctatg 120	
tactctcctt gggcta 136	
<210>	153
<211>	132
<212>	DNA
<213>	Rattus norvegicus
<400>	153
gatctccgga ggtgcgggtgc ctctgggtgt aagaccagct ttgaagcact cttacagagc 60	
catctgagca gaggggcctg gcactccagg cagggagcgt atgctcaagc ttgttaccag 120	
tctggtctcc ta 132	
<210>	154
<211>	218
<212>	DNA
<213>	Rattus norvegicus
<400>	154
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tggggtaagc aactacatgt gtattccag tccctgtcta aagatagaga cgtcatgtt 120	
ccatagctgc tcacgctctt gtgagctgcc ttctccccat cctaaagtcct cctcagctt 180	
cctaaacacc tcatccactc cttccctccc taaggctta 218	
<210>	155
<211>	124

<210> 160
 <211> 113
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 110
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 cttcaggggcc aacgtgtaga cggcacctgc atccaggggcc tcaatggtgg cta 113

 <210> 111
 <211> 113
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 111
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 gaaaggacagt gttgcacca ctgtatgagga gccgcacac ctacaggagg ttggtcttt 120
 ccacatgggc gatgtttgtca atgtgttctg ccatggctcc cta 163

 <210> 112
 <211> 110
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 112
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 acacaggaga ttgcaggct gtctcaggcc atgatggctt ttactactga cctgttctcc 120
 ctgtgtggcc aacatccac cagctccaac cttgtctgt cacccttag tggccctca 180

 <210> 113
 <211> 119
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 113
 gatcttaact gtagattcta cacatttctc atcctctaat ggcttcctct ggctgccagg 60
 ctgaagaaac tttttactg tggggagggtt gctgactctg gttctcaggc cttcagcag 120
 agggaaatgg tggaaagcgc tgggtccag ctttccaca tggtagagaa cttgaacta 179

 <210> 164
 <211> 217
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 164
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 tagtcataag gaaaatgcaa atcaaaaacaa ccctgagatt ctacctcaca ccagtcagaa 120
 tggctaaatg caaaaactca ggtgacagca aatgctggaa agatgtgga gaaagaggaa 180
 cacttcctca ttttggtgg gattacagaa tggttta 217

 <210> 165

<211> 197
 <212> DNA
 <213> Rattus norvegicus
 <400> 165

 aattragaga gacgggtgcc atatttgaag atggctccag ggaggatgac attgatgtgg 60
 tcatttgc cacaggstac agtttgctt ttcctttct tgaggactct gtcaaagtag 120
 tccaaaacaa ggtcttcttg tataaaaagg tcttccccc taacctggaa aaaccaactc 180
 ttgcataatcat cggttta 197

 <210> 165
 <211> 419
 <212> DNA
 <213> Rattus norvegicus
 <400> 165

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 caga:ccctg t :acaattgc cccctccact tgggtaccac ctaaccctgg gacatctgt 120
 tcatgttagta ctatgtatat ccttttcac tgaggctaa ccaggcagtc ttggtaagga 180
 ttagatccaa tggtaggaac tataactga gacaacccca gttctgttgg gaggcagctaa 240
 aatggcactg aatcttagtg gtttttgtg gtatacaacc ataacatggg tatataggca 300
 tttttctggc ct:ctttgttgg catttacaag gccagggtga taagcatgtc aataaggat 360
 ctccacacccc aphaatcttc agaaggacaa gttacagcc actgcctgtt ttgtactta 419

 <210> 167
 <211> 151
 <212> DNA
 <213> Rattus norvegicus
 <400> 167

 aattcagtct tatcaatgaa ggtcagagcc attggaaag gtgaagtggg ggagccctgt 60
 catcgatccc auctgggtcg gaaccctccc acgcatgact caattcagag ctgtttccca 120
 ggaggctggg gggggatgca gacagattcc aacaccta 159

 <210> 168
 <211> 110
 <212> DNA
 <213> Rattus norvegicus
 <400> 168

 aattcagcag aactccttga gggaaaatca tgatccagtt atgatttcat cccgtggcac 60
 aacctttaga ataatgggtt ttgttgggtt aagaagtctt tgtctgctta 110

 <210> 169
 <211> 199
 <212> DNA
 <213> Rattus norvegicus
 <400> 169

 aattcatcgt aatggactc ctcaacaaaa agtctggatg ctgcgacaca aatctgaccc 60

tggtggaaaga	atactccttg	gtgtgcaaac	tcatcagcac	tatccaagtc	agcatctgca	120
aacacaatgc	aagggcttctt	tcccccaga	tccagggtga	cccttttcag	attgcttttc	180
cctgcagctt	ctttgatta					199
<210>	170					
<211>	380					
<212>	DNA					
<213>	Rattus norvegicus					
<220>						
<221>	unsure					
<222>	(1)..(380)					
<223>	unsure at all n locations					
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ccaccacactg	tggtgctca	gagcccgagc	tagaaagag	atccgcacac	agcccccgagn	180
ggctccacag	acggatctat	gaggaaaata	cggggccagg	cangcaggca	ggcgacccccc	240
tgacccctg	gtggcccgct	tatctgagcc	cttttggaa	ggcttataga	caacaggtgg	300
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<212>	DNA					
<213>	Rattus norvegicus					
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ccccytgc	aggagtgacc	tcacatggac	atgcgtatct	tcactgtgg	tagtcagaac	300
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caaatacag	aaaagaacct	tcttacgcca	agcattggag	gcaaggctgg	tgttttgt	180
ttttgataacc	aagaggtccc	aggaagcatt	acattgggt	tctcagctgc	ttcgggagtt	240
gaaaaagatg	gatgataaaag	cttttttgtt	gaagtacagc	tttttagaaag	caaaacttac	300

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339

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<211> 290
<212> DNA
<213> *Rattus norvegicus*

<400> 173

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gaacacaact cagaaacgt atgcacatctg ttctgccttgc gtcgccttgc ctttaccaggc 180
tttgggtatg tctaaaggcgt atcgtgttga ggaaggttctt gaaactgcctt tgggtgttga 240
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<210> 174
<211> 199
<212> DNA
<213> *Rattus norvegicus*

<400> 174

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catatctata ctgacccctta 199

<210> 175
<211> 165
<212> DNA
<213> *Rattus norvegicus*

<400> 175

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atcttctcac ggcaccccttc atctcacaag tgtccaggac catggggaca ttgcattcaa 120
agcacccgtac ctgctttctta attgatggtc aaggttatata gctta 165

<210> 176
<211> 46
<212> DNA
<213> *Rattus norvegicus*

<400> 176

aattcccaacc ataagaaaatg aacaaagatt ggagctgaag acctta

46

<210> 177
<211> 39
<212> DNA
<213> *Rattus norvegicus*

<400> 177

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39

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<211>	283
<212>	DNA
<213>	Rattus norvegicus
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atcattccat tgccatctac ttgctcaacc cagatggctt cttcaactgat tactalggtc 180	
gttagcaggc aycagagcag atcgttagaga gtgtactgac ggcacatagc tgcctccat 240	
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<211>	223
<212>	DNA
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<223>	unsure at all n locations
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caactcggctg tacaagtggc tccccagaa tgacnttctt ggtcatccna aaaaccnnaa 120	
gtttttgttag ctcatgggtt aacaaatggc atctatgagg caatctacca tggcatctt 180	
atgtttggta ttccctgtt tgcagatcaa ccggataaca tta 223	
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<211>	182
<212>	DNA
<213>	Rattus norvegicus
<400>	180
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ta 182	
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<211>	189
<212>	DNA
<213>	Rattus norvegicus
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ctccactctt cctcattcggtt gccatacagt cttctgtgtt tggacttcca ctggtgccac 180	
tgtgcattta 189	
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<211> 160
 <212> DNA
 <213> *Rattus norvegicus*
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 ttatccctc cccttccttc ctctgccttcc ttctggttta 150
 <210> 183
 <211> 287
 <212> DNA
 <213> *Rattus norvegicus*
 <220>
 <221> unsure
 <222> (1)..(287)
 <223> unsure at all n locations
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 gacaagaagga gacaagaaga cttcgatga atgcgtggct gaggcggtc agactgtgct 180
 ccaggagaagc tctggcttca gatcccgttc ttctgtggcc actagctcag aatgctggaa 240
 tggtttggaaagc agatggcgaa tggatcaagc taagtacanc ctggta 287
 <210> 184
 <211> 135
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 184
 aatttgtcaa agcagcacca ggcccccac tgtgccaac cactgaagaa gcccacatc 60
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 cataatcttag agtta 135
 <210> 185
 <211> 79
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 185
 aatttgtcacag tgcccatgc agacattact aattgattct gtttttattt tggaaccttt 60
 tggctggcca ggtgtgtta 79
 <210> 186
 <211> 413
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 186
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 ggggagctat gcgaggaaaa cttattgttc aaagtccat tgaccccaag aacataccca 120

aatacgaact ctcttatcaa gacattttagc actcgctgct gttggagaga agagagggcac 180
 aggctgaage ayaacctgaa ctcagagagc ctgtggctcg gagtcctca gagacatgct 240
 cactgactga ycaaagaggt ttcataggtc tgtaatcaac ggccctctg cagaagcccc 300
 agtgctccca gaatggagat gcctgagcgc ccattctctg agagccttag agcagtgagc 360
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 <210> 187
 <211> 362
 <212> DNA
 <213> *Fattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(362)
 <223> unsure at all n locations

 <400> 187

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 ccccaaaactc atctcttatt cctacatgga acgtggggc cncttgctg ctttgaaga 180
 ggcccaagctt tggccagg acatccgcaa gtccgggtcc ctggctgagc tgcagtagtg 240
 aatactggata ctaactgtgg cttagcagc agccctgggtt cctcccaagt cacacttatg 300
 qaagatgacc ctttctnag gaataagttt gtccctgac cacactcgag gacccagact 360

 .. 362

 <210> 188
 <211> 74
 <212> DNA
 <213> *Fattus norvegicus*

 <400> 188

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 <210> 189
 <211> 267
 <212> DNA
 <213> *Fattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(267)
 <223> unsure at all n locations

 <400> 189

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 ctgggttggc ggagctgtgg agcccacggg ctctgctgct gtgttcatc tggctggcc 180
 tgcaggtggc gctctatttgc tgcctgcac gcaagggtggc cgagggctg ganctgaagg 240
 acaagagtcg cttgcgtac ctttta 267

<210> 190
 <211> 192
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 190

 aattctaaac atatgccatt gtggaagaag caaagccacg gagatagcag gccagtgcag 60
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 atctatggc tggtagcta tggaaacctt gtacttcctg ccaattttgc tctgaaactc 180
 aaactgcatt ta 192

 <210> 191
 <211> 83
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 191

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 attaggagttt attgaaagg tta 83

 <210> 192
 <211> 56
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 192

 aatttcaga aactatataa tacattctgc tgtagccaa tgcaaagtgt acttta 56

 <210> 193
 <211> 42
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 193

 aattttcag aatgtggtg tctaagaaca ccagaccctt ta 42

 <210> 194
 <211> 133
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 194

 aattctatgc attgattac atgtactgaa ccatacttct ttgactgtaa tggagccac 60
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 ttttcatatg tta 133

 <210> 195
 <211> 79
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 195

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atgtatttat gccatgtta

79

<210> 196
<211> 65
<212> DNA
<213> *Rattus norvegicus*

<400> 196

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tgtta 65

<210> 197
<211> 64
<212> DNA
<213> *Rattus norvegicus*

<400> 197

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gtta 64

<210> 198
<211> 41
<212> DNA
<213> *Rattus norvegicus*

<220>
<221> unsure
<222> (1)..(41)
<223> unsure at all n locations

<400> 198

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<210> 199
<211> 36
<212> DNA
<213> *Rattus norvegicus*

<400> 199

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<210> 200
<211> 218
<212> DNA
<213> *Rattus norvegicus*

<400> 200

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ggtacccagg gcaggaccga gcagcaggat tcccgcaaga gaaaggaggc agatggcct 120
ttcaagagct tttagaagcg actaacagca gagtgtctgg gaacatacga atcagtctct 180
tgcatattgt aataaaccaa acacaagact cgccattta 218

<210> 201
<211> 151
<212> DNA

<213> Rattus norvegicus
 <210>
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 <212> '1)..(151)
 <213> unsure at all n locations
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 <210> 102
 <211> 63
 <212> DNA
 <213> Rattus norvegicus
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 <210> 203
 <211> 221
 <212> DNA
 <213> Rattus norvegicus
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 <221> unsure
 <222> '1)..(221)
 <223> unsure at all n locations
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 gggacagtga gtcctgtggg gtgttggac acagccacag gacaggcctc ctgacagtgc 180
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 <210> 204
 <211> 178
 <212> DNA
 <213> Rattus norvegicus
 <400> 204
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 cggtattctg gtctccagcc tcatgtggtg gttcttggta ccactgtcag ggctctta 178
 <210> 205
 <211> 233
 <212> DNA
 <213> Rattus norvegicus
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 aagtcatcca cacccagtag acactccgct gctaaccctga aatgcataa cagaaaccca 130
 tagtattttat gcccctctag gcaggtgtcc acaataaaat tgtgagcagc tta 233

<210> 206
 <211> 74
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(74)
 <223> unsure at all n locations

<400> 206

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 gactcattac ttta 74

<210> 207
 <211> 54
 <212> DNA
 <213> *Rattus norvegicus*

<400> 207

aatttcctccag ataatggtca ttaagacaat tctttccagc atgctcaagg gtta 54

<210> 208
 <211> 240
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(240)
 <223> unsure at all n locations

<400> 208

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 cacagaatat gatctttaa gggccaaaa atgctaaatgt gtgaaaatat cacaatgact 180
 gtcttncct taaaaaagtc acataaaatg cagtttagaa caaggngaaa cataggtcta 240

<210> 209
 <211> 147
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(147)
 <223> unsure at all n locations

<400> 209

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 tataggtaag atcataaacat ctatcta 147

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<212>	DNA	
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<210>	212	
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<213>	<i>Rattus norvegicus</i>	
<220>		
<221>	unsure	
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<223>	unsure at all n locations	
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<210>	214	
<211>	134	
<212>	DNA	
<213>	<i>Rattus norvegicus</i>	
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 cactgtctaa tcta 134

<210> 215
 <211> 121
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(121)
 <223> unsure at all n locations

<400> 215

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 aaaaaaggta catttcatg ctttctcg cagaaaaacg gatgtnnncag ganagggct 120
 a 121

<210> 216
 <211> 254
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(254)
 <223> unsure at all n locations

<400> 216

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 tgagagactc aattgcctcg tgagtgtggg ggagggagga aaaagggttc atacctgcct 180
 cattaggaag agcagaacta tggtaagan cacagtggac tggatgttac actcantnnn 240
 ccacttaata gcta 254

<210> 217
 <211> 107
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(107)
 <223> unsure at all n locations

<400> 217

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<210> 218
 <211> 37
 <212> DNA
 <213> *Rattus norvegicus*

<400> 218

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37

<210> 219
<211> 291
<212> DNA
<213> Rattus norvegicus

<220>
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<222> (1)..(291)
<223> unsure at all n locations

<400> 219

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tgcctcgtgg tctctgggggc cttectctgt ggcaaaacccg atgtgcctgt ctacgtggc 180
tccttgggtgg aytggtacat gcgtgcccaa cccggacacg tcatntntca gggccggggg 240
aaga cctgt gaaangacaca gtgcagcttgc ggtgacacccg gaaccatctt a 291

<210> 220
<211> 289
<212> DNA
<213> Rattus norvegicus

<220>
<221> unsure
<222> (1)..(289)
<223> unsure at all n locations

<400> 220

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accacatctat aactctcttc atgagggaaag ggtgcctgg agactggaaan aactacttta 180
ctgttggcaca auctgaggat tttgtatgaag actaccggag gaagatggca gggagcaata 240
ttacatttccg cacagagatc tgagagcagt gaggngagg ganncccta 289

<210> 221
<211> 91
<212> DNA
<213> Rattus norvegicus

<220>
<221> unsure
<222> (1)..(91)
<223> unsure at all n locations

<400> 221

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gattnagcta cattgnnnana gcacttgcctt a 91

<210> 222
<211> 166
<212> DNA
<213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(166)
 <223> unsure at all n locations
 <400> 222

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 cgtatqaagag ctaagaaaatg gagccggtn ncagacccn ggacta 166

 <210> 223
 <211> 112
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(112)
 <223> unsure at all n locations
 <400> 223

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 gntccggatt gacagtgacc acacagccc tganganccc acaggaccac ta 112

 <210> 224
 <211> 65
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(65)
 <223> unsure at all n locations
 <400> 224

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 gtctta 65

 <210> 225
 <211> 44
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(44)
 <223> unsure at all n locations
 <400> 225

 aattcgccaa gagcgtttga ntgacagctc tttgtgtatg tcta 44

 <210> 226
 <211> 105
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(105)
 <223> unsure at all n locations

<400> 226

aattcgatgt gggnnccata naaagtangg aaaaatatgg ggttgtntga tggtaaatg 60
 ctcttgttgc ccatcaacng acaagaaatg ancaagaatg tgcta 105

<210> 227
 <211> 110
 <212> DNA
 <213> *Fattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(110)
 <223> unsure at all n locations

<400> 227

aattcgagac ccaanncaacn aaccnaaacc cacaaccaca acagtaacna gaacaagaag 60
 aaagaaaaagca aaagggttgg gathtagntc agtggnagag cgttgccta 110

<210> 228
 <211> 392
 <212> DNA
 <213> *Fattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(392)
 <223> unsure at all n locations

<400> 228

aattcgggag tqnggnncct tctgantctt gcancaaaga ggctnttcta tagcatgnnc 60
 nangatgctg gcttgggtgt aacnnatctc tggcatatct gatgangatg cangnccagg 120
 atccccatgt ccangnatga nccagcaacc ctggaaacct acactccccca gagaaaaacc 180
 anaaaattgaa agaanancaa actaaaagga ncnaaacac ataaagcatt antcacagtt 240
 tgnccagcc tngatctgac ntcgaanaag cctgaagaca gatgtgcccc ncttcanaca 300
 cgtc'ggctt ctggcaccac ttgtgagctn cctgaaagtc accannctcn tgctgtntcc 360
 caanncaang nnatgagnnc cccnaacacac ta 392

<210> 229
 <211> 81
 <212> DNA
 <213> *Fattus norvegicus*

<400> 229

aattcggaaag gactctccaa tgcgttcag ggagatatacg ccgctttcta tctaagaaca 60
 tcattacttt aacaagtact a 81

<210> 230
 <211> 203
 <212> DNA
 <213> *Fattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(203)

aattctaagg cgagtttaac atgttcaaga tatctccgtt ttagctta 47

 <210> 235
 <211> 121
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(121)
 <223> unsure at all n locations

 <400> 235

 aatttcggca cccgggnata tttgaccctg gccactttt agatggaaat ggaaagtta 60

 agaaaagtga ctatttcatg cctttcttag cagaaaaacg gatgtgtncg ggagaggct 120

 a 121

 <210> 236
 <211> 65
 <212> DNA
 <213> *Rattus norvegicus*

 <400> 236

 aattcatcca caccaactgg acatgcccac ggtggcagtg tgcgtcctc ttcatacaat 60

 gctca 65

 <210> 237
 <211> 49
 <212> DNA
 <213> *Rattus norvegicus*

 <400> 237

 aattccctac acagaccaga actggcttt aactctacca ctacgtctca 49

 <210> 238
 <211> 48
 <212> DNA
 <213> *Rattus norvegicus*

 <400> 238

 aattccctgg gtgcctttct ttacaaaatg ggttcaataa ataagcta 48

 <210> 239
 <211> 74
 <212> DNA
 <213> *Rattus norvegicus*

 <400> 239

 aattccatat gtaataggat gcaagtctaa gcgttcatg tggacataaa tgtatctaaa 60

 taaaacttcc cctta 74

 <210> 240
 <211> 142
 <212> DNA
 <213> *Rattus norvegicus*

 <220>

<221> unsure
 <222> (1)..(142)
 <223> unsure at all n locations
 <400> 240

 aatccaggc tgggnttgcc tttctctgct ttcatgacct cttagccca acgagctgat 60
 gtttaggacca caaactgggt aggtggtaa aaaacaagca acaagggctg gggatttagc 120
 tcagtggtag agcgcttacc ta 142

 <210> 241
 <211> 184
 <212> DNA
 <213> Rattus norvegicus
 <400> 241

 aatccaaga gtagttgct ccctccccct tctccacgaa aaaccaccca aagtggaaaa 60
 tgaatctctt caccaggacc cctctggcca caggcaagt atgccacagg cctctgacat 120
 actttggaca gatgtccagc taacacccac caccccccattt ttaagacaca tctctggatc 180
 cctta 184

 <210> 242
 <211> 71
 <212> DNA
 <213> Rattus norvegicus
 <400> 242

 aatcccaag gtcataatgct gtttagctgct gtggatcttgg atatggaaaca tgttacctt 60
 ccctttgcct a 71

 <210> 243
 <211> 391
 <212> DNA
 <213> Rattus norvegicus
 <400> 243

 aatcccccta cacattggat taatcttact aacatgacaa aaaattgctc cactatcaat 60
 tctataccaa ttttatcaac tccttaagccc aastatccacc accattctcg caatttcattc 120
 agtctttgtt gggccctgag gaggacttaa ccagacccaa acacgaaaaaa tcatacgata 180
 ttcatcaatt gcccacatag gatgaataac agcaatctt ccatacaacc ctaacttaac 240
 cctctaaac ttaacaattt acatccttact taatgttcca atattcatca cactcataac 300
 aaactcagca acaacaatca acacactctc actcgcatga aataaaaactc ccataatct 360
 aaccatagca tcctatcatcc tcctatctact a 391

 <210> 244
 <211> 175
 <212> DNA
 <213> Rattus norvegicus
 <400> 244

 aattcgccct gtcgggatga gagagtggtt gactgagtaa ccatggctcc gccgtgcct 60

cactggctct tttccgtgta gcatctctgg gcaagtgagg gaggcatatt agtttccatt 120
 tgcagggtgtg gaacactgag ccccagaaag gacaagaaga ctcattcagt agcta 175

<210> 245
 <211> 194
 <212> DNA
 <213> *Rattus norvegicus*

<400> 245

aattcgccaa ggatgactcc gatagcatga gccgaagaca gacttcttat tctaaacaacc 60
 ggagcccaac gaacagcact gggatgtgga aggactcgcc caaatcttcc aaatccatca 120
 gatccatcc tgcctccact tgagccccac gttcacgcag cccgactctt gggagggact 180
 ttgtgttcca gcta 194

<210> 246
 <211> 44
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(44)
 <223> unsure at all n locations

<400> 246

aattcgggct ggggatttag ctcagtggan aaacgcttgg ccta 44

<210> 247
 <211> 198
 <212> DNA
 <213> *Rattus norvegicus*

<400> 247

aattctggag atgggacacg aggatcagtt caaggtcata ctttagctact cactgcata 60
 taaagtttgag gttctgcctgt gctacatgag accgagggag agaaaggagg ggaaggagtc 120
 aagcggtagt tgcctttaat cgcagcattt gggagggcaga ggcaggtgga tctctcggtt 180
 tgaggccagc ctggtcta 198

<210> 248
 <211> 332
 <212> DNA
 <213> *Rattus norvegicus*

<400> 248

gatccgccas tccttctgca tacatgtcga tgagggtct ctccttcatt tccttccat 60
 agaggttgta tttggtggca atgttagttga gaatggctct ggtctgcacc agcttcattcc 120
 catcaatctc caccatgggc acttgcgtgaa acatcaaact cccatcatc cttagcctgg 180
 ccaggtcata ccgagtttc agaaattgtt cttcaaaactc tactccagct gcagccagga 240
 gccaccggat gggctccatt ctccccctgc catcgaagta gtgaaggact ggcttccccg 300
 gcatggcagc aattgcttga gttctttgt ta 332

<210> 249
 <211> 481
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(481)
 <223> unsure at all n locations

<400> 249

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 gcaaaaaatg aggaagtggg cctgggaggg gggggggccg ggcagctcg agctcaggca 120
 gtag:gcact catggtacca tgagggtggc cagtcgcag gaggcatgga gtgaaggcca 180
 >tg:gggttc cacttgggaa gaaagggctt acagagcccc ggagtccgag g:agttggtc 240
 tctgt:ccccc a:ggcgatc caagccctct atccatcccc cctgtaccc tggagatagc 300
 ttgt:ccataaa gatggctgtc ctgcctact gggccactt gaagaacaaa atgt:ccatttt 360
 atttt:ccatgt gaaaagaaaa agaggaaatc attttgcctt ctgcttggat gcccagaatg 420
 ctaataaagcc tcattacaaa aagacgtttt ctggctctca tctggcggtt tctttggctt 480
 a 481

<210> 250
 <211> 441
 <212> DNA
 <213> Rattus norvegicus

<400> 250

>at<:tgtgg taggagtctt gaaatgccc ttgaactgct gagaggatac tccacactcc 60
 accaaacact tccgttaggtct tc:cgcaac ttggattgt tcttgatctt caggtttgg 120
 gacccatg tgcgtgagag gatgtacaaa attgtacttg agtgcacatgt t:cgaaactt 180
 ggcc:cgagg gctcttaact cagtcctga ggctgaaatc ctctgctcca gctgttgctg 240
 tattgtcaga aacgcccaga gtctctccat aaagttatga aagatgtact taggaccctg 300
 gaaatcttc tcttgggg ctatgtggc ctccgtttgg aaagtgtatgt tctgcaggtg 360
 tattgtccca ctgactttgg ctaagaggac atcaggccc tggtcccggg cttccagcc 420
 accaaacatct ctgagccctt a 441

<210> 251
 <211> 193
 <212> DNA
 <213> Rattus norvegicus

<400> 251

>at<:cacaca accaaaccaa catgagtgaa agagttagca acacggctg tggttcgct 60
 atgt:tggtt gtcttggagc aaagctgcta tggagaaatg tgcaggtgcc tagggatgc 120
 tgtatgtctc tagaggatgt aactcaactc acagggtgac ttttgatgc ctgacccat 180
 t:actatgtga tta 193

<210> 252

<211> 156
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(156)
 <223> unsure at all n locations

<400> 252

gatctctggga ggtatgttgcac cacacccttg ggaatgccag ctttcagtgt cagtcggca 60
 aactcaagg ngtgagttgg ggtcacctgg gcaggcttga tcaccacggt gttcccagcc 120
 gccauggcagg cttcatcttc caggatacca tcatta 156

<210> 253
 <211> 101
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(101)
 <223> unsure at all n locations

<400> 253

gatcngaacc caagaggtaa aaaccttccc gggcggaccag aagtgtccga ggctttcccg 60
 cgggggggtgg gacttacttt cccaagaana aagcaggatt a 101

<210> 254
 <211> 223
 <212> DNA
 <213> *Rattus norvegicus*

<400> 254

gatctgcacc gtttgaagg aggaattcta ccacagctat ttgcccgtgt gcccgcagcc 60
 acatcagggg agtaaatcct tcttcatccg tgtgattgtt aacattttct tttcaatac 120
 gugtagccag gtagagccatc tctccctgag ctgccaactg gtgaacagac agagaatttg 180
 ctaacagagg tttgggtggag acctcggttc ccctgtgtt gttgggtta 228

<210> 255
 <211> 177
 <212> DNA
 <213> *Rattus norvegicus*

<400> 255

gatcttttaacg tgggtggctct ttaggttagtg gacttttatt tactcccaag ggcatttcattt 60
 caaactctcc cccctttgggt gaaagttcag attccacagc aggtgctgat agtacaacca 120
 tttccatttc ataacaatat gttagatgtt tgatcttcaa gttgggtaat gctgtta 177

<210> 255
 <211> 447
 <212> DNA
 <213> *Rattus norvegicus*

<400> 256

gatcttgggg tgggtttagg gatttcagg gtgaaggtag attatttattt agggtggaa 60
 tggatcattt acatgaagag gaatatgcca agaacctgct ggacaagttc atatcctgaa 120
 agaggaagtt gaatctgtaa tctggccata agttatgtga ctttcctcag aggatttctg 130
 gggttacagg caggagtgcc tggattgtca taacagtacc taattatcat atggtggaa 240
 ggactgatgtt ggtatgtatgtt gatgtttttt gtggacttgc caggaagttt tggcaaggc 300
 catttcctcaq ataaaggctcaq gcaacttgc tttagaacact ttccagataaa gattgggcaa 360
 aggagaggaa accccactga gaaaggagt cttccattttt gcaccaggttt cagagagttt 420
 atcttagacat ggtcgacttc aaccta 447

<210> 257
 <211> 350
 <212> DNA
 <213> Rattus norvegicus

<400> 257

gatctaaaat acctcgggaa tacatgtcaa tcagggtctt ctccttcattt tccttccat 60
 agaggtcata ttgggtggcg atgttagttga gaatggctt ggtctgtgcc agcttcatttcc 120
 cgtcaatctc caccatgggc acttggtcaa acatcaaattt cccgttttcc tttagctttt 180
 ccaagtcttc tggactctgtt ataaacttctt cttcaaaactc cactcctgtt gcagccagga 240
 gccacccggat gcaactccattt ctggcccccggg cattgaagttt gtgaagactt ggcttccat 300
 acatagcagc aactgtgtttt tcaactgttca gcgagaatcg tggcttctta 350

<210> 158
 <211> 155
 <212> DNA
 <213> Rattus norvegicus

<400> 258

gatcttcacc attggggtttc ccagttcttgc caaagttggc ccagttacttc atcaccctcc 60
 tttttcaggat ctccttcattt tcagtggatgtt caaaggatcat gccccacaag taggagccaa 120
 agacaaagag aatgtcatca ccatggtcttgc cctta 155

<210> 259
 <211> 37
 <212> DNA
 <213> Rattus norvegicus

<400> 259

gatccgtacc cttaggtcaga gctgtgtatctt ctgttta 37

<210> 260
 <211> 40
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(40)
 <223> unsure at all n locations

<400> 260

gatctggng atcagtgtgg ggctcacctc caatgggtta	40
<210> 261	
<211> 224	
<212> DNA	
<213> Rattus norvegicus	
<220>	
<221> unsure	
<222> (1)...(224)	
<223> unsure at all n locations	
<400> 261	
gatccatgg gatccgtgg cagctagct agccagcata nggagctcca ggttcagtga	60
gaagacttgt ctcaaaaata agagggaaaa agcaaatgag gttgtcacaa atgtgtactc	120
gtcatacaaa gcatccat gcaaatgtat acacacacac actcacacac tcacacacac	180
acacacacac acanacanac acacacacnc nnnnataccc atta	224
<210> 262	
<211> 31	
<212> DNA	
<213> Rattus norvegicus	
<400> 262	
gatcttgaaa agactgttcc ttcatgatt a	31
<210> 263	
<211> 53	
<212> DNA	
<213> Rattus norvegicus	
<400> 263	
gatcttcgaa cttaaacgctg gggcgccac ctccgaatcc caatttctaa tta	53
<210> 264	
<211> 63	
<212> DNA	
<213> Rattus norvegicus	
<400> 264	
gatctctaact cattagtgtta aacgaccctc tccagcgccc ctgcgcctt ctttctgtcc	60
tta	63
<210> 265	
<211> 105	
<212> DNA	
<213> Rattus norvegicus	
<400> 265	
gatcttattg aggcgagcag ggacctggct ggacaaggac acacttaaaa cccgattttg	60
ttccaaattc tggaaacat agacattaa ctctgaagat gccta	105
<210> 266	
<211> 66	
<212> DNA	

<213>	Pattus norvegicus	
<400>	266	
gatctaagg accaaggcgt atgtcgtatg ttgttaacgt agcagtagct gtcgtctgt		60
atgcta		56
<210>	267	
<211>	137	
<212>	DNA	
<213>	Pattus norvegicus	
<400>	267	
gatctggcc acaaaggcgc cccctggctt caagacatgt gtagcaatgt taagggcgcc		60
aaggcagaagg tgggcctgca tgtactcatac tacatcatgg aggccagtga catcaggagg		120
cccgcacac actacta		137
<210>	268	
<211>	147	
<212>	DNA	
<213>	Pattus norvegicus	
<220>		
<221>	unsure	
<222>	(1)...(197)	
<223>	unsure at all n locations	
<400>	268	
gatcragtcc ctccttc tgacntgcta ctgttcagcc aggttccata cctgacaggt		60
tgttcttgg ctccctctttt gtcatcteac ttgttcgtcc ttcttcgtac agtaacagct		120
gttcntcagg tcaactggat caggccccca tgcctctaa ggagcaggaa gtcctcctac		180
ctacucttacc cacccta		197
<210>	269	
<211>	40	
<212>	DNA	
<213>	Pattus norvegicus	
<400>	269	
gatccggcttc tccctaggc atcaaggccta ccgttggcta		40
<210>	270	
<211>	109	
<212>	DNA	
<213>	Pattus norvegicus	
<400>	270	
gatccatatg gagctggta aataggcat tttttatca agaaaaacaa cttctgaaga		60
cagggtttca cacatcttag gattggccat gaactcacta tgcaggccta		109
<210>	271	
<211>	51	
<212>	DNA	
<213>	Pattus norvegicus	
<400>	271	

aattcacaag	gaaggagctt	agaacagaca	tctatttctt	actgatttgtt	a	51
<210>	272					
<211>	36					
<212>	DNA					
<213>	<i>Rattus norvegicus</i>					
<400>	272					
aatttacag	aaccgtgttt	atgatacagc	cgttta			36
<210>	273					
<211>	36					
<212>	DNA					
<213>	<i>Rattus norvegicus</i>					
<400>	273					
aattcagct	tagaaaaaaa	taaaattgct	gcctta			36
<210>	274					
<211>	67					
<212>	DNA					
<213>	<i>Rattus norvegicus</i>					
<400>	274					
gttccacttt	tattaggaac	aatgcaatc	tcaaattcgt	acaatttaggc	ttcaagagtt	60
gttattta						67
<210>	275					
<211>	287					
<212>	DNA					
<213>	<i>Rattus norvegicus</i>					
<220>						
<221>	unsure					
<222>	(1)..(287)					
<223>	unsure at all n locations					
<400>	275					
ggcaatgaac	cactgttagcg	gggcatttgca	ttgctggctc	tacctacagc	tattactggt	60
catttggaa	ccttagagtc	agaatcttct	tgttaagag	ccctgaatgn	tgtgaccaac	120
cccagtgtct	acagcatctt	tgcagctgtt	aatctcaactg	ttctcggtcc	tattgaagaa	180
atctactggcc	cagaaatgcc	tttgggtgtt	ttggcagact	ttaaggcaca	tgcgcaaaag	240
cagctgtcta	agaccccttg	ggacttattt	aaggagaagc	tgacgac		287
<210>	276					
<211>	260					
<212>	DNA					
<213>	<i>Rattus norvegicus</i>					
<400>	276					
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gctgctggac	atggtcacga	acacggacat	ggtcatggta	aatggaaact	tccagattac	120
agacagtggaa	aaattgaagg	gacgccattt	gaagcaatgc	agaagaagct	tgctgcacga	180

gggtgaggg atccatggc tcgcaatgag gcttggagat acatggcgg cttgcagaca 240
 atatcacatt cacgagcgta 260

<210> 277
 <211> 299
 <212> DNA
 <213> Rattus norvegicus

<400> 277

itacuacage accagagaca ccattgtat agagtggac ttggtgtgca gtccaacaaa 60
 itgaaggaga tggcccgatc gatcttcatg gcaggcatac tggttggagg acctgtgatt 120
 tgagaactgt cagacaggtt tggccgcaag cctatcctga cctggagttt tctcatgtg 180
 gcagccagcg gctctggtgc tgccttcagt cccagcctcc ctgtctataat gatctccga 240
 ttccatgttg gctgcagcat ctggccatt tctctgagca ccgttatctt gaatgtgga 299

<210> 278
 <211> 139
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)...(139)
 <223> unsure at all n locations

<400> 278

tngagatacc atgatcacga aggtggttt cccagggcga ggcttatcca ttgcactcc 60
 tpatgtgtga cccctgcgat ttcccaaact gcgaaact cgactgcata atttgtggta 120
 gtggggggact gcggtcgcg 139

<210> 279
 <211> 328
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)...(328)
 <223> unsure at all n locations

<400> 279

matagactca ggaagcaatc atgggtctt ctgcagatga caaaaccaac atcaagaact 60
 yctggggaa gattggccat ggtggtaat atggcgagga ggccctacag aggtgttcg 120
 ctgccttccs caccaccaag acctacttct ctcacattga tgtaagcccc ggctctgccc 180
 aggtcaaggc tcacggcaag aaggttgctg atgccttgc caaagctgca gaccacgtcg 240
 aagacatgcc tggtgccctg tccactctga gcgactgcat gcccacaact gcgtgtggat 300
 cctgtcattt cagttcctga gccatgtc 328

<210> 280
 <211> 312
 <212> DNA
 <213> Rattus norvegicus

<400> 280
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 aaaaataacct gtcactgtcc ttttctgcg accatgtctt ccatcaagat tgaatgtgtt 120
 ttaagggaga actacagggtg tggggagtc cctgtgtggg aggaggcattc aaagtgtctg 180
 ctgtttgttag acatcccttc aaagactgtc tgccgtatggg attcgatcatc caatcgatgt 240
 cagcgtatgtt gtttagatgc cccagtcgt tcagtggcat tcgacagtca ggaggctatg 300
 ttgccaccat gg 312

 <210> 281
 <211> 289
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(289)
 <223> unsure at all n locations

 <400> 281

 ctttgaacgg aatgatgtt ganaagtttag aaatgagctc agggacccgg agacccgcnt 60
 catttccctt aycctgenc tcttgcggg naacgcgggg nccaggtttg ctctaaaan 120
 ctctgtgtcat ctctcgatgtat aaggaccaac agctgggggt gtagctcagg gcagagtctt 180
 gacttggnaag cccggatgtt ttgaggcctt gaccacccnc agcacanana naaaatgaag 240
 gaaagacccaa gtttttttctt ggaagacctc atccccaaan aagcaagt 289

 <210> 282
 <211> 280
 <212> DNA
 <213> *Rattus norvegicus*

 <400> 282

 actgactgtat cttgttcagg ggtcacagat ccagccaaat gcaacctgct ggcagaaaag 60
 caatatggct tctgcaaggc gactctcatc cacagacttg gtggggaaaga gtttcagtg 120
 gctctgcctt gtagccccac cagctggccc acctgaatcc gtgggtgttag gaccctgtgc 180
 aytctctcta ggttccatc accacccaaac ccaccatgac ctacggcatg ctttctctcc 240
 ttgtggcttctt 250

 <210> 283
 <211> 285
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(285)
 <223> unsure at all n locations

 <400> 283

 agccactgtt gcccgtatctcg cgcacgcnaa ctgtctgtgn tngcacgtatc 60
 tgcannaanc ggtcncaaaa gattcnaann caagatggna gcccncnacg aacaggncat 120

<222> (1)..(262)
 <223> unsure at all n locations
 <400> 287

 gagagnacct ttgtctcgga gtaactcccg taccccaagt cctaaaagcc ttccgttta 60
 cctcaatggg gtcatgcctc caacacagag ctttgcggcc gaccccaagt atgtcagcag 120
 ccaaagccctg cagaganaga gcagcgaagg gtctgccaag gccccctgca tcctgcccatt 180
 ncattgagaa tgggaagaag gtcagctca genttattca cctactacct gagcggacgg 240
 sancaccttg ncaaataatg a gc 262

 <210> 288
 <211> 282
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(282)
 <223> unsure at all n locations
 <400> 288

 tgagctgcnc ctgacatttg tccatctccc aaannctctc tggagcanc ntnngaagtcc 60
 ctngrctctgc tcccttnnnt tgctcagatt ctagagctgc caatcagctc cacaagggtgc 120
 agggctgggt ttcgagaat tggcttnat gaccggaaa aaaancntt nanctttgat 180
 agccgtggac taccctcaata aacatcttct tcagggattc aggcagatct tgaatcagat 240
 gacauaagtaa ggtgtggctc cggccggccct tcgganaggt gt 282

 <210> 289
 <211> 265
 <212> DNA
 <213> Rattus norvegicus

 <400> 289

 catagaccca ttttcagct gggatgatata taaatggctc agacggttga cctcaactgcc 60
 cattgttgta aaggaaattt tgagaggta ttagtgcctc aacatgggt 120
 ggtatggatc ttagtgcga atcatgggc acgacaactg gatgggtgc cagctactat 180
 ttagtgcctg ccagagatcg ttgaggctgt ggaaggaaag gttagaagtct tcctggatgg 240
 gggagtcaagg aaaggcaccg atgtt 265

 <210> 290
 <211> 199
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(199)
 <223> unsure at all n locations
 <400> 290

 ccctgcaagc tgggtgcag ggccggaaag gctcactgtt ccgaaatggc cgacagtcag 60
 acaaggatgt gagatacact ctggagagat cagagacaag cacaganact gtgtcnact 120

agtgncgttg cagtctnaac atctgtggag atcnanncan tggtnnntna ctggcncgan 180
 ncgtncnatg caaannaeg 199

<210> 291
 <211> 285
 <212> DNA
 <213> *Fattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(285)
 <223> unsure at all n locations

<400> 291

taccgaccat ggacacangc acangcctca tcaganctat gcatacgatgt ntaaaatcana 60
 aagtgtatct tggtaacta cagttatgga gaagcaactc attggccagn ttctgggaga 120
 nttttgtgnng tanttaatgc agcngtatgg naacnnaata cnatttangt ttcnnggtct 180
 gntantaatg gtcnatgctt tctacagtgg gttgtccann nggantactt ccancgnnat 240
 aggngntgga gcntatgttc tcgcccata ganggttgcn gngta 285

<210> 292
 <211> 268
 <212> DNA
 <213> *Fattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(268)
 <223> unsure at all n locations

<400> 292

ccacgctgga gcgaanacca ttgctcgtga gcacatgggg agactgctgc accagctact 60
 ctgcgcaggg cacctctcta ctgtccagta ctaccaaggg ctgtatgaaa cactagaatt 120
 ggctgaggac atggaaatcg acatccctca tgtatggctt tacctggcag aactgataac 180
 acstattctt caggaagacg ggttacccat gggagagctc tttagggaaa ttacgaagcc 240
 tttgagaccc atgggcaaag ccacttt 268

<210> 293
 <211> 185
 <212> DNA
 <213> *Fattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(185)
 <223> unsure at all n locations

<400> 293

ctcatggca ccatgaactt ctccggcaag taccagtgc agagccaaga gaactttgag 60
 cccttcatga agggcgatgg gtctgctgag gacttcatcc nagaaaggga aggacntcaa 120
 ggggtntnn gaatncngcn nnnanggaag aaantnnaac tcnccatcan ctannggncc 180
 aangt 185

<210>	294
<211>	286
<212>	DNA
<213>	Rattus norvegicus
<220>	
<221>	unsure
<222>	(1)..(286)
<223>	unsure at all n locations
<400>	294
agctaagtag aaaaatatgt gtgaataaag ccaataatat ctcccanatg ttattacaa 60	
ttaataagat gttctatTTT ctggatgtat ataaaattat ctctacttaa tgtcataact 120	
ggcaaaaaaa aaactatcat tgcaaATGCC tcccAGTgaa accaataact tctcanatAT 180	
ttttagaattat tggttataac tcactaacct agttcctaa natcantta anatttgatt 240	
tatngtanag cantggnnaa tgatGCCnCT ctnatgttgt ttnnac 286	
<210>	295
<211>	225
<212>	DNA
<213>	Rattus norvegicus
<400>	295
gaatccccggc ttgcctGCC agtttatcc cttagaagcag cttagtactc caggtgcaca 60	
ggGCCatgc agccccgaat gctcctcatc gtggccctcg tggctctcct ggcccttgcc 120	
cragctgatg agggagaggg atccttgctg ctgggctcta tgcagggcta catggaacaa 180	
gaatccaaaga cggtccagga tgcactaagc agpatgcagg agtct 225	
<210>	296
<211>	278
<212>	DNA
<213>	Rattus norvegicus
<220>	
<221>	unsure
<222>	(1)..(278)
<223>	unsure at all n locations
<400>	296
acaccatcna cctgtatgcn gtnactggcc gtgnGGACAT tccAGCCAGC agcaAGCCAT 60	
nttccatcaa ntatcanaca naaattgaca agccatcccA natgcangtg acggntgtcc 120	
aggacaacag catcagtgtc aggtggctgc cttaattct nctgtggaca ggtaccgagg 180	
nccagcggtt ccncaaANT gggtaCTgac naacanaATC tcaaACTgtc nagtccagat 240	
canacagaga tgnccattga aggntgcaac ccaccgtg 278	
<210>	297
<211>	290
<212>	DNA
<213>	Rattus norvegicus
<220>	
<221>	unsure
<222>	(1)..(290)
<223>	unsure at all n locations

<400> 297
 gtggaaaagga aacctcattg ccaccatgaa cttctccgge aagtaccaag tgcagagcca 60
 agagaagttc gaggtggana gcaaacctca ttgcacccat gaaattctcc ggcaagtacc 120
 aagtgcagag ccaagagaac tttgaggccct tcatgaaggn nannggnctg nctnaggnc 180
 tcatncngaa angganggnc atcaaggggg tgtcagntat nctgcatgan ggganctcnt 240
 caaatnanca ncaactatgng tncaagtgtat cnaatgagtt cacttggggc 290

 <210> 298
 <211> 296
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(296)
 <223> unsure at all n locations

 <400> 298

 agcaaggccta tttctgactg gnctgctgtg cagaatctag accactggca gtgggtgaca 60
 gcccagttga ggttaatcga agtctcgctcg caggtctgc tgltaagtctg gcctcttggc 120
 ctacacatctt stttgtggga tccttcctta tctccagctt ctcagctgg tcagggagat 180
 ttgggtccaga actagaagcc ttaataatct gagcaggtaa gagaggagta aatgtacag 240
 tcttggacat tgactaaagg gtcctgcaga ggtatcaag gtaagtggct tggagg 296

 <210> 299
 <211> 277
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(277)
 <223> unsure at all n locations

 <400> 299

 ggtggccctg ctttgccttg gctctgctct ctggcttgga gacctctggc tttccaagga 60
 gtcccctccg gctgttggg aaacggagcc ttccagaagg ggtgggtggat gcattgagat 120
 ctacagcacc aagatcagct gcaagggtgac ctcccgctt gtcacaatg ttgtcaccac 180
 aagggtgtc aaccgtgcag acaaggccaa gaagtttctt ttgatgtggta ctgcccaga 240
 cagcctncat caccaacttc accttgatat ngatggg 277

 <210> 300
 <211> 287
 <212> DNA
 <213> *Rattus norvegicus*

 <400> 300

 ctcagttctt gaagagaagc accctggcac agttttctg agttttggac ctaggtctac 60
 aaccatgaag gtagcaatta tctttcttct cagtggtttt ggccctgctc aatttagcag 120
 gtaacactac agctaagggtg attggaaaa aggctaattt ccctaatacata cttgttggat 180

ggcccaaggaa ttatgatcct gtgtgtggta ctgacggaaa aacttacgcc aatgaatgca 240
 ttatgctt taaaacagg aaatttggaa catctatccg cattcag 287

<210> 301
 <211> 85
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(85)
 <223> unsure at all n locations

<400> 301

ttcttcttga cgctaggnaa cattccagtg tagctgaggc tgcggccaaac ccagtggagn 60
 ggccaggatg ttccgtaaag ggctg 35

<210> 302
 <211> 295
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(295)
 <223> unsure at all n locations

<400> 302

tggacacagg tgaaccatnt ctnctgacgc tagaaacat ccagtgtac tgaggctgtc 60
 ctaaaccagt gaggagccca ggtatgtncn gaaggctgtg gtgtgaccg tggccctgg 120
 ggccatcacc gggaccagg ctgagggtcac ttccgcacng gtggccaaatg tcatgtggga 180
 ctacttcacc cagcnaagca acaatgccaa ggaggctgtg gaacaactgc agaagacaga 240
 tgcactcaa cagctcaata ccctttcca ggacaaactt ggaacattaa cacct 295

<210> 303
 <211> 279
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(279)
 <223> unsure at all n locations

<400> 303

ttccatctct cttggggccc catggggcggttccatcaag cccatgcggta tcctggcctc 60
 aggtgacaac cagggcatcc cgatcatgtc caacataaag ctgagagaag aacagcgtat 120
 aaccacaaact tccccctgga tggccatgtc tcaccacgtg tggccctgaaag accacgttt 180
 catttccaca ccaaacttca cnacacaggc caagacttcg agcgttttt tgcagatctt 240
 cattttgaag aaggctggca catgtttcta cagtcgt 279

<210> 304
 <211> 306
 <212> DNA

<213> Rattus norvegicus
 <400> 304
 cttggagtc ctggctgt tacaacttgg agccacctgt gtctggccc ccaagtttc 60
 tgc:cccga tactgggctg agtgcggca gtacagtgtg acagtggcc tglatgtgg 120
 tgaaytcctg cgatacttgt gtaatgtccc agggcaacca gaagacaaga aacatacagt 180
 ggg:tcgca ttggcaatg gacttcggc agacgtgtgg gaaaacttcc agcaacgatt 240
 tggtccatt cagatctggg aactctacgg ctccacagag ggcaacgtgg gtttaatgaa 300
 tatggg 306

 <210> 305
 <211> 296
 <212> DNA
 <213> Rattus norvegicus
 <400> 305
 gggtttctct gtatttaccc ctacaagatc cctggatggt gtctctgggt ttttccaagg 60
 ggctttctctg ctcaaggcc tcgagaagtt cccatccacg cttccact ggtttgggg 120
 gaaatggctg ctcaaggccc tcgagaagtt cccatccacg cttccact ggtttgggg 180
 ccacgtctg aaggacagag aattccagca gtttcttacg tggtagaga aattccagg 240
 tggcttgccta cagtggtctc cagggagcaa aacacgagtc ctgtctatg accctg 296

 <210> 306
 <211> 147
 <212> DNA
 <213> Rattus norvegicus
 <400>
 <221> unsure
 <222> (1)..(147)
 <223> unsure at all n locations
 <400> 306
 tcagttcgg tgcntccat gagnntccc tgcaatcagn aactatgctt tccctgaggg 60
 tttttttttt cttttttttt ttggccagca cagttggac tgcagacacc ggeaccacaa 120
 ttgttattttt anaaggcaggaa ggnntata 147

 <210> 307
 <211> 312
 <212> DNA
 <213> Rattus norvegicus
 <400>
 <221> unsure
 <222> (1)..(312)
 <223> unsure at all n locations
 <400> 307
 gcatccgcta agtgcgtggt gcgaactgnc gctgggtgcg gttgtcgccg tgcactgc 60
 ctctcggtcc aatgagctgc accaggatga tccacgtgtc ggatccacga ctttgacaa 120
 gttcgttcat gcccgtggac atggccatga ggatttgctt ggcacattca ccacccctga 180

aqagtttctt gggtccttac aatggtcttc agcgaagaca ttttgtaat aaaccgaagg 240
 ctttggaaacc gtgtctcagg gtcaagcagg aagccaaatc acagaaggaa tggaagagct 300
 cacacagcca ag 312

<210> 308
 <211> 284
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(284)
 <223> unsure at all n locations

<400> 308

gtcagttca ctgtggagggt cctgcttcca gacaaagcag cagaagagaa gttgaatcag 60
 caggggcag tcaccccaaataacatctc cctccctgcag caggcctggc cccctcagt 120
 gttttctgt cagtttctttt atatcattt tcctacaacc tattagccca aagaaactgg 180
 gttggaggga agacttcaga ctggacggag caccgttca gagtcaagaag cggataanta 240
 gtcatagggg tcctccat cagaatacta aagggtctcc agag 284

<210> 309
 <211> 293
 <212> DNA
 <213> *Rattus norvegicus*

<400> 309

gtagccactc taactagggg cgtgctgaga caagaccacc tcatttcctc gtcgttttc 60
 agacaggact gtcctccgca cccaccatga tccaggctgc actgttctt ggctgtatct 120
 tactgttctc ggtgaccgccc ttccatgga agactcagga tggtgccctg ccccatcagc 180
 cagctggcac agaaactgag cctacacaac tgcctacag caagagtctt cctccgacct 240
 ccagtacctg tcggaacctc ctaagcatgg cgcctgtcc ccctgttagtc ctc 293

<210> 310
 <211> 208
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(208)
 <223> unsure at all n locations

<400> 310

gtccttgang cttacaccat cctgcgttag agatgcccgt ctcattttga ctcaagatct 60
 gtcctctgc ttgtttctn caagccatnt ggctctacct gctggactg gtggccctgt 120
 ggaacctctc gcgctgttc agggagngga nngtggtnag cnatctccaa gacaagtatg 180
 ttccatcac gggctgtgat caggctt 208

<210> 311
 <211> 280
 <212> DNA

<213> Rattus norvegicus
 <210>
 <211> unsure
 <222> (1)..(280)
 <223> unsure at all n locations
 <400> 311

 ggctgttaatg gggctgcctg gctcccttg gcagtgggtg ctgttgctgt tggggctact 60
 gtccttcctt gcaacccnct tctggctcct caatgtgtc tccccccgc acaccacgccc 120
 caaggctgaa ctcagtaacc acacacggcc tgcctatcctc gtgcctggct gcatggggaa 180
 ccggctagaa gcaagcttg ataaacccaa tgggtaaac tggctgtgct accgaaanac 240
 agaggatttt ttaccacnngt ctggattcan annttccnnc 280

 <210> 312
 <211> 181
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(181)
 <223> unsure at all n locations
 <400> 312

 ctggaaacact ttaattctgt ccacaaggc agagtgnacn aactcccagc aatctaggac 60
 tncacccctttt agccctttacg ctcactcctg agggttatgg tgcataattt tcctggatct 120
 qaagacttgg acatggactg agacctcagt tacagacagc ctgttgtagg acttctcagc 180
 c 181

 <210> 313
 <211> 174
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(174)
 <223> unsure at all n locations
 <400> 313

 cacnaagcta tntataatgg ccagactata cttggtttga aggaataacct tttcatgcct 60
 ttgggattgc cnaaganaac tttgcaaaat gtttgtata aagtttgg taaaanacga 120
 agatgtgatt tcattggctt atcccaagtc aggaacgcgcg cggccggctcg naat 174

 <210> 314
 <211> 289
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(289)
 <223> unsure at all n locations
 <400> 314

atttttgtt acccaactcga gaagtaagcg ccaaagggc tagtaagaga acagacacgc 60
 ctgggtgtgg ctatggctc caggcctaac cagtggggaa gtggatttgc gggacacgtg 120
 tcttagcctg gacacttagg ggttcttagc ttgtgaagcc aatccnngtg gaaccgatgt 180
 ggatnaggnt gcantgnnc tctgttccc cccaaacttc cccagtaacc ttggcaag 240
 gtggatgaac ncagnngatt ttgaaaagtc aaaaacttcg gtttggtaa 239

<210> 315
 <211> 309
 <212> DNA
 <213> *Rattus norvegicus*

<400> 315

gcccacgtgtt cttagggacca tgccatggag gaccagaca agaaaggga agccagagcc 60
 gggagcgaag taggttgc cagccccgag gagcaacttg acggatcagc cagcccagtg 120
 gagatgcagg ntaggggatc agaggagctt cacgagacag gagagccct gcccccttc 180
 ctgttgaaagg agggtgggaga tgagggctca cactggcag agcaggatgc cgatgtatg 240
 gtagctgtatg atacagatga caccagctcg gtgacctct ctgccagtct accacctct 300
 ctcaagatgtg 309

<210> 316
 <211> 211
 <212> DNA
 <213> *Rattus norvegicus*

<400> 316

cagacctcca ggagaacctg gaagaagtcc ttcccaagct gctagcttag aacattcgat 60
 gtttctacct tggccacagg tcacccactc cggcgtaga ggctcttaga gctccctgg 120
 acgcgtgcacc ttctgaccca gtgcctgcca agttcgtgc taatataaag tggaaatccc 180
 cagccatatt catctataact tcagggacca c 211

<210> 317
 <211> 282
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(282)
 <223> unsure at all n locations

<400> 317

agccggcagc cgagtcggat tngctgtc cagacgccag gccactccag ccagcactgc 60
 cgttttcacg ccccggtgc agacagctag gaggtttat ctagttgaa ccaggctgt 120
 ggagctcgct cttccctct cttttttcc acgaggctgt ttttttattt ggctgcattc 180
 atggaaatccc aatgggttag accagtggcg atggatcta gatgttacca actgagacat 240
 ttttcaattt ctttcttgc gtcttgctg ggaatgaaaa cg 282

<210> 318
 <211> 261

<312> DNA
 <313> *Rattus norvegicus*

<320>
 <321> unsure
 <322> (1)..(261)
 <323> unsure at all n locations

<400> 318

a~~gggg~~agaga aatcaatgaa ttttcaatct tg~~tttttta~~ atgaggcagt gatattatag 60
 catggtaaa ctgcttaat ttacactttt gattgggtgc tgggaataa acctaaagca 120
 tggcatatta atgaagaaca tatggtaacc atgaactcca tctctggatt cctt~~tatcg~~ 130
 cnat~~ttttta~~ aaggttgaat attcgacca gagaatgaca agtgg~~tttg~~ acaacatact 240
 ctaggc~~tttc~~ tattaaaaac a 261

<310> 319
 <311> 273
 <312> DNA
 <313> *Rattus norvegicus*

<400> 319

c~~gtgg~~taca ccaggaccat ggagccc~~agt~~ atcttgc~~tcc~~ tc~~tt~~g~~ct~~ct cctcgtggc 50
 ttctt~~tttac~~ t~~ttt~~agtc~~ag~~ gggacaccc~~a~~ a~~gt~~cccgt~~g~~ gcaacttccc accaggac~~ct~~ 120
 c~~gt~~ccc~~tttc~~ cc~~c~~tcttgg~~g~~ g~~a~~ac~~c~~t~~c~~t~~g~~ c~~a~~gttgg~~a~~ gagg~~gg~~cc~~t~~ cctcaat~~tcc~~ 130
 t~~t~~catgc~~agc~~ t~~t~~cgagaaaa atatggagat gtgtt~~cacag~~ tacac~~tggg~~ accaagg~~ct~~ 240
 gtgg~~t~~atgc t~~at~~gtgg~~gac~~ agacaccata aag 273

<310> 320
 <311> 205
 <312> DNA
 <313> *Rattus norvegicus*

<320>
 <321> unsure
 <322> (1)..(205)
 <323> unsure at all n locations

<400> 320

ccaggaccat ggagccc~~agt~~ atcttgc~~tcc~~ tc~~tt~~g~~ct~~ct cctt~~gtgg~~t t~~ttt~~gtt~~act~~ 60
 cttagtc~~agg~~ ggacacc~~naa~~ attcc~~nt~~ggg aaattcc~~na~~ caagnact~~tg~~ nncc~~ctt~~cc 120
 c~~nt~~ntngggg aacnc~~nt~~gaa nttggaaana ggagg~~nt~~cc tnan~~nc~~ttt cangnag~~ttt~~ 180
 cgcgaaaaat at~~gg~~anat~~gt~~ ntnca 205

<310> 321
 <311> 289
 <312> DNA
 <313> *Rattus norvegicus*

<400> 321

caccaggacc atggagcc~~a~~ g~~t~~atctt~~gct~~ c~~c~~t~~c~~tt~~gt~~ct c~~c~~tt~~gt~~gg~~g~~ g~~t~~tt~~ctt~~tt~~gt~~tt 60
 actcttagtc aggggacacc caa~~ag~~tccc~~g~~ tggcaacttc ccaccaggac ctcgtccc~~ct~~ 120
 tccc~~c~~t~~tt~~g gggaa~~c~~tcc~~c~~ tgc~~ag~~t~~tt~~g~~a~~ c~~a~~gagg~~gg~~cc~~c~~ ctc~~c~~taatt~~c~~tt~~c~~at~~g~~ca 180

gtttcgcgaa aaatatggag atgtgttcac agtacacctg ggaccaaggc ctgtggtcat 240
 gctatgtggg acagacacca taaaggaggc tctggtggc caagctgaa 239

<210> 322
 <211> 265
 <212> DNA
 <213> *Fattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(265)
 <223> unsure at all n locations

<400> 322

gtcatttggc tcccaaggac attgacctca cgcccaagga gagtggcatt gaaaaatac 60
 ctccaaacgtt ccagatctgttctcagctc ggtgatccgg ctgaggcagc catgtgcccc 120
 agttctgttg ggaatggctt catgttctg cctctggggg acctgctgaa aaccaggctc 180
 aaggccactg ctcacatctt cctattgcag ttctccaaag tcccaaggct ttttntatt 240
 cctgtgaatg gcactgaaga agtca 265

<210> 323
 <211> 234
 <212> DNA
 <213> *Fattus norvegicus*

<400> 323

gtaaaatgcc atacactgtat gcaatttatcc atgagattca gaggtttca gatttgtcc 60
 ctatggagt accacacaga gtcaccaaag acaccatgtt ccgagggtac ctgttccca 120
 agaacactga atgttacccc atcctgagtt cagctctcca tgacccacag tactttgacc 180
 acccagacag cttcaatctt gaacacttcc tggatgccaa tggggcactg aaaa 234

<210> 324
 <211> 235
 <212> DNA
 <213> *Fattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(235)
 <223> unsure at all n locations

<400> 324

gaaacttggt cattctagca gcacagantc agaactgaga actggccatg gcacggaaac 60
 aaccacatag ctggctgaan gctgtgtctt ttgggctcct gcttattctt atccatgtgt 120
 ggggtcagga ctcaccagag tccagctcca tcaggaccac acaanatann attnanaaan 180
 gnaagcttga cnacgtgagg gacactaaag ctggatgtcc nacaacanaa ngttc 235

<210> 325
 <211> 263
 <212> DNA
 <213> *Fattus norvegicus*

<220>

<221> unsure
 <222> (1)..(263)
 <223> unsure at all n locations
 <400> 325

 aaagtcccaa ggnttgtct tattctgtg aatggcactg aagaagtcaa tcgactgtct 50
 tattttgaca tgtgaacaga gatttcatga gtacacatct catgctgagt cacttccctc 120
 ttctctctaa tagcccaagt ccccacttat cagccctcca tggctgtga tctgtgctaa 130
 tggactctgt atatggtctc agtgctatgt ctacagactt acatagtagt tatggtttag 240
 gttaaacagat cacagagtgt gtg 263

 <210> 326
 <211> 300
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(300)
 <223> unsure at all n locations
 <400> 326

 gtgcagaaaag actgaaggag ccagaaanta tcaatgccag ggaaactgtc ttcgagaccc 50
 aacaggaact gatcacacgag ccaaaccaggc aatgtcttcc cctgcacagc ctgcagttcc 120
 tgcacactg gccaacttga agattcaaca caccaagatc ttnataaaca atgaatggca 180
 tggattcagtg atggcaagna attacctgtc cttaaccctg caatgaggag gtcatctgac 240
 atgtggaaaga agggacaagg cagatgttga caagctgtga agccgcaaga caggcttcc 300

 <210> 327
 <211> 350
 <212> DNA
 <213> *Rattus norvegicus*
 <400> 327

 atgggttta acacagatga gtactgttgc accattccta tggctatggg cactgctcaa 60
 ataataaagg agstatccag agagaacctg caggctgtc taaaggatac agcagcacaa 120
 atgatgttcc cccctgagtg tggtgacctg ctcatggaag agtacatggg gaacactgat 180
 gatcccaga ccctacaaaat acgtacaca gagatgtgg gagacttcct gtttgtgatc 240
 cctgcactcc aagtagcaca ctttcagcgt tcccatgccc ctgtctactt ctatgagttc 300
 caacatgcac ccagctattc aagaatgtca ggccacccca gtgaaggtga 350

 <210> 328
 <211> 258
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)..(258)
 <223> unsure at all n locations
 <400> 328

agantgtnga gcgagcnaag naatatgtcc ttgganance tctgnncCAA gnaatanatc 60
 aggcccctca gatnacaag gagcaacatg ataaaatcct tgatctcant gagagtggga 120
 agaangaagg agccaanctn gagtggtgtn taggacgcnG ggggnacaaa ggcttcnttg 180
 tecanccnn agtcatctcc aatgtgacng atgagatgng cattnccnaa gaggngatat 240
 ttggancagn gcaacaaa 268

<210 · 329
 <211 · 245
 <212 · DNA
 <213 · *Rattus norvegicus*

<220 ·
 <221 · unsure
 <222 · (1)..(245)
 <223 · unsure at all n locations

<400 · 329

gaaatgtatgt ggcagggttc atcaacttgtt tggaggnaga atttaactac cccctagaca 60
 atgtccacct ctttagggtaC agtcttggag cccatgtctgc tggcgtggca ggaagtctga 120
 ccaatagaag gucaatagaa ttactggcTT ggatccagct gggcctaact ttgagtatgc 180
 agaagccct agtcgcctt ctctgtatga tgcggatttc gtagatgtct tacacacatt 240
 tacca 245

<210 · 330
 <211 · 191
 <212 · DNA
 <213 · *Rattus norvegicus*

<400 · 330

gatttttgt agccaccatg agagactttg ggataggaaa gcagagtgtg gaggatcaga 60
 taaaggagga ggccaaatgt tttagtgagg aactgaagaa tcatcaggga gtctccctgg 120
 acccaacgtt cctctccag tgcgtcacag gcaacataat ctgtccatt gtctttggag 180
 agcgctttga c 191

<210 · 331
 <211 · 265
 <212 · DNA
 <213 · *Rattus norvegicus*

<400 · 331

aggaagccct gcagagcata agaggccag ctagagggac aacacagagg agtaattgc 60
 tgacagacct gcagggatgg acctgcttc agctctcaca ctggaaacct gggtcctcct 120
 ggcagtgcgc ctgggtgtcc tctacggatt tgggacccgc acacatggac ttttcaagaa 180
 acaggggatt cctggggccca aacctctgcc ttttttgcc actgtgctga attactatat 240
 gggttatqq aaattcgtatg tggag 265

<210 · 332
 <211 · 296
 <212 · DNA
 <213 · *Rattus norvegicus*

<400> 332
 gactgtgg a ccaacgtcc tcttttacc cccacccct tctgtcacct ctaccacgg 60
 taccatgtcg caagccggc ctgcacatgt gctgggtggc atggagatgg gtcggccat 120
 gatgtgacc tccagtcgg cgtcggtgg cgccatctg cagcggcc acacggat 180
 agacacccgc ttcgtgtatg cgaacggtca gtgtgagacc atccttagag acctggggct 240
 ggactgggc cgcagcggct gcaaagtaaa aattgccacc aaggctgccc caatgt 296

<210> 333
 <211> 214
 <212> DNA
 <213> *Rattus norvegicus*

<400> 333
 gagatgttcc cttgtcatcg a cagttatgg gacattttgg taaaatactt gaggcaagag 60
 aaaggcaaac ctgtccctgt gaaagaagly tttgggtgcct acagcatgg a tgtgatnacc 120
 agcacatcat ttggagtgaa tttttatcc cttaacaacc cgaaggatcc ttttggag 180
 aagccaaaga agctttaag aattgatttt ttg 214

<210> 334
 <211> 183
 <212> DNA
 <213> *Rattus norvegicus*

<400> 334
 ggcgcatttgc atccctatgt atatctggc tttggaaatg gacccaggaa ctgcattggc 60
 atgaggtttg ctctcatgaa tatgaaatc gctctacta aagttctgca aaacttctcc 120
 ttccagcctt gtaaggaaac acagataatc ctgaaattaa gcagacaagg acttctcaa 180
 cca 183

<210> 335
 <211> 174
 <212> DNA
 <213> *Rattus norvegicus*

<400> 335
 atggcacca aggagggaaat cctgcagttac tgccaaaggagg tctaccctga actgcagatc 60
 acaaaacgtgg tggaaagccaa ccagccagtg accatccaga actggtgcaa gggggccgc 120
 aagcagtgc a agacgcacac ccacatcgat ttcttaccg gtgccttagtt ggtg 174

<210> 336
 <211> 241
 <212> DNA
 <213> *Rattus norvegicus*

<400> 336
 atttggccat gggaaaagg aacattgagg atcgtgttca agaggaagca cgggccttg 60
 tggaggaact gaggaaaacc aatggctcac cctgtgaccc cacgttatac ctgggctgt 120
 ctcttgcaa tgcgtatctgc tccattattt tccagaatcg ttttgattat aaagatcagg 180

attttcttaa cttagatggaa aaactcaatg agaacatgaa gatttgagc agtccctgga 240
 c 241

<210> 337
 <211> 289
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(289)
 <223> unsure at all n locations

<400> 337

atgaaggtct ttgtgcccac tggctttca gcctccctt ccgagctact gcatgcccc 50
 gaaahagtgg gtgaaggctca agtacccaa actcatclicc tattctaca tggaacgtgg 120
 gggccacttt gctgcctttg aagagccaa gcttctggcc aggacatccg caagttcgtg 180
 tccctggctg agctgnagta ntnacggntt annaaantgt ggctttagna naancctggt 240
 tccccanagn aanntgggn aaccccccctn gggaaaaant tntcccccc 289

<210> 338
 <211> 243
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(243)
 <223> unsure at all n locations

<400> 338

tggggagaaa ggaagccctg cagagcatca gangccagc tagagggaca acacagagga 60
 gtaatttgc t gacagacctg cagggatgga cctgctttca gctctcacac tggaaacctg 120
 ggtcttcctg gcagtcgtcc tggtgcctt ctacggattt gggaccgc a c a c a t g g a c t 180
 tttcaagaaa c a g g g a t t c c t g g c c a a a c c t c t g c t t t t t g g c a a 240
 tta 243

<210> 339
 <211> 289
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(289)
 <223> unsure at all n locations

<400> 339

gcagaaagga agccctgcag agcatcagag gcccagnag agggacaaca c a g a g g a g t a 60
 atttgctgaa c a g a c c t g c a g g a t g g a c c t g c t t c a g c t g c t t c a c a t g g a c t g 120
 t c c t c t g g c a g t c g t c t g g t g c t c t c t a c g g a t t t g g g a c c c g a c a c a t g g a c t t t 180
 n c a a g a a a c a c a g g g a t t c c t g g c c a a a c c t c t g c t t t n t t t g g c a t g t g a a t t n 240

<223> unsure at all n locations
 <400> 343
 agttagtgag gctctgggg ctgcgaccta cctcgagag ggtttgcac taaggcgctg 60
 gggcgctga ctccgggcgc tgtggaccat ggctccgcgc cggcgccca acagggaccg 120
 tgcangccag gaggatgagg accgttggga acacgggggg accgcaaggc ccggaagccc 180
 ctggggaga ajaagcgacg cgcgccgatc aacgagagtc tttaggagtt gcggctgctg 240
 ctatggggca cggngtgcag gccaaagctag agaacgcccga ggtgtctg 287

 <210> 344
 <211> 232
 <212> DNA
 <213> Rattus norvegicus

 <400> 344
 tattttgas cgttaccaca ttttgagcc caagtgcctg gacggcttcc caaacctgaa 60
 ggacuttcctg gcccgctttg agggcctgaa gaagatctt gcctacatga attgcagccg 120
 ttacctctca acacctatac tttcgaagtt ggcataatgg agtaacaagt aggccttgc 180
 tacaactggca ctacacagaga ggacctgtcc acattggatc ctgcaggcac cc 232

 <210> 345
 <211> 223
 <212> DNA
 <213> Rattus norvegicus

 <400> 345
 tggtcgaaag cacaacattt aatcagtaac agttgtcagg gtttgtact gcccattgaa 60
 tggacutttt attcatgagc aattcagccc caaaatgaat ttggaaaact tttgcctgaa 120
 gtacttattt aataacaatc aagagacctg ctgaatattt tgatgcgttc tcaaaagtgt 180
 atggtcctgt atttactctt tactttggca tgaagccac tgt 223

 <210> 346
 <211> 278
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(278)
 <223> unsure at all n locations

 <400> 346
 atggagtaac aagttaggcccttgctacact ggcactcaca gagaggacgttccacattg 60
 gatcctgcag gcacccctggc cttctgcact gtggttctct ctccttcctg ctcccttctc 120
 cagctttgtc agccccatct cctcaacctc accccagtca tgcccacata gtcttcattc 180
 tccccacttt ctttcatagt gqnccccttc tttattgaca ccttaacaca acctcacagt 240
 cctttctgt gattgaggtc tgccctgaac tcagtc 278

 <210> 347
 <211> 295

<112> DNA
 <113> *Rattus norvegicus*
 <120>
 <121> unsure
 <122> (1)..(295)
 <123> unsure at all n locations
 <100> 347

 gggccgtg ggtgatctgg tcggtaacgg agagcgcagg ttgtatcacc aacatgggg 60
 actctcacga agacaccagt gccaccatgc ctgaggccgt ggctgaagaa gtgtcttat 120
 tcagcacgac ggacatgggt ctgtttctc tcatcggtt ggtcttgacc tactggttca 180
 ttttagaaa gaagaaagaa gagataccgg agttcagcaa gatccaaaca acggcccac 240
 ctgtttaaaa gaggcagttc gtggaaaaga tgaagaaaac gggaaangaac ttatc 295

 <110> 348
 <111> 230
 <112> DNA
 <113> *Rattus norvegicus*
 <400> 348

 ttagtgacag aacaggaact taacctttgg tgattctcat gggactaccc ccatccacat 60
 tgggtgtct ctgttaattt ctttgatag taaccttgtc tctgttaattt gatcaagaat 120
 ttttatgaa aatgtgaact attgtgacaa ctttaattgt agatttggtt tcagatgtt 180
 tagatgcatt attctacact aaatgttaca tggaaaaat gtgaataaaac 230

 <110> 349
 <111> 282
 <112> DNA
 <113> *Rattus norvegicus*
 <220>
 <221> unsure
 <222> (1)..(282)
 <223> unsure at all n locations
 <400> 349

 cccgcgtctta tattaggcca acagcggccc tagccgaggc tggtcgtaa gaagggcact 60
 ggttcgggtta cggtcctccg ctcgngtgcc caccggcgtc tcgtcgagag cccgcgcagg 120
 accccggaca ctttgcagac atggagactg tcgttcgcag atgcccattc ttatcccag 180
 tccctcaggc ntttctgcag aaggcagggaa aatctctgct gttctatgct caaaaactgcc 240
 ccaagatgat ggaagtccgg gccaagccgg ctccctcgac cg 282

 <210> 350
 <211> 280
 <212> DNA
 <213> *Rattus norvegicus*
 <220>
 <221> unsure
 <222> (1)..(280)
 <223> unsure at all n locations
 <400> 350

ccgaggcagt tcacccgagg ccgatctccg aggtctgcca ggggtactt cccacagct 60
 cggccatggg tctggagctt ctacctggac ctgtatgtccc agcnntggcg tgccgtctac 120
 attttcgcca agaagaacgg catccccctc cagctgcgtc ccatacgatc gcttaaaggt 180
 cagcattaca ctgatgcctt tgcccaagggtg nacccttga ggaagggtggc ggctttgaag 240
 gatggggact tgcgtttggc agagagtgtc ccatattgtc 280

<210> 351
 <211> 309
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(309)
 <223> unsure at all n locations

<400> 351

ttttagccaa catgatcagt gaacccagaa tcagttacgg caacgtatgt ctcatgcctt 60
 cttttactga racgaagacc actgtggagc tccttccctgt gaatggcgaa ttcagccctgg 120
 atgatctcca accgtggcat cctttttgggg tggactctgt gccaggccat atagaaaaatg 180
 aatggatctgg gttgacaaac atcaagacag aagagatctc agaagtgaag atggatgcgg 240
 atgttggaca tgattcangc ttcgaatccg ccatcaaaaa ctgggttgt tgccagaagng 300
 tgggtcaaaa 309

<210> 352
 <211> 228
 <212> DNA
 <213> *Rattus norvegicus*

<400> 352

gtcggctgca aaatcttcga gagccgaccc aaactggctg cgtggcgta ggggtggaa 60
 gtcgcagtgg gggagagcccttccaggag gcccattgaag tgcgtctgtaa gccaagat 120
 atgcctccct tgcattggaccc gacattgaag gagaaactga agctctctgt tcaatgcctg 180
 ctgcactgag ggaacagccctt gaaatgggt gtgtgtgt 228

<210> 353
 <211> 298
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(298)
 <223> unsure at all n locations

<400> 353

caggatcatg gatacttagtg tccttctccct ctttgcgttc ctccctcagct tcttgcattt 60
 ctgggtcaga ggcattgcata aagttcatgg tcatcttcata caggaccccc gtcccttacc 120
 ctcttggga aacctttgc agatggacag aggaggctt cgttaagtctt tcattcagct 180
 tcaagaaaaa cacggagatg tgttcacagt atactttgga cctaggccctg tggtcatgtc 240

gtgtggaca cagaccataa gggaggctct ggtggacatg ctgaggnttc tctggcgg 298

<210> 354
<211> 326
<212> DNA
<213> Rattus norvegicus

<220>
<221> unsure
<222> (1)...(326)
<223> unsure at all n locations
<400> 354

gacaaaatcc cagaataagg aaactctgaa ccaggagtca tggaaagtcaa acccaagctc 60
tactacttcc aaggcagggg aaggatggag tcgatccgct ggctgctggc tacagctgga 120
gtggagtttg aagaagaatt tcttgagacg agagaacaat atgagaagtt gcaaaaggat 180
ggatgcctgc ttttggcca agtcccattg gtggaaatag acgggatgct actgacacag 240
accagagcca tcttcagcta cctggccgcc aagtacaact tgtatggaa ggacctgaan 300
gagagagtca ggattgacat gtatgc 326

<210> 355
<211> 274
<212> DNA
<213> Rattus norvegicus

<220>
<221> unsure
<222> (1)...(274)
<223> unsure at all n locations
<400> 355

tccctctcct ccttgctgtc ctcttcagct tcttgctatt cctggtcaga ggccatgcaa 60
aagtccatgg tcatcttcca ccaggacccc gtccttacc cctttggga aacncttg 120
aagaatggac agaggaggct ttgttaagtct ttcattnagc ttcaagaaaa acacggagat 180
gtgttcacaa gtatacttgg aactaggcct gtggtcatgc tggatggac acagaccata 240
aaggaggctc tggatggacat gctgangtt ctct 274

<210> 356
<211> 148
<212> DNA
<213> Rattus norvegicus

<220>
<221> unsure
<222> (1)...(148)
<223> unsure at all n locations
<400> 356

cgcccccaact gcctcagaga cctacaggac cgccggncgt gggtgatctg gtcggtaaccg 60
gagagcgcag gttgtatccaa aacatgggg qactctcact aagacaccag tgccaccatg 120
ctcgaggccg tggctgaaga agtgtctc 148

<210> 357
<211> 302

<212> DNA
 <213> Rattus norvegicus
 <400> 357

 tttagatctga ctgaaatgat tatecaattg gtaatatgtc ccccaagacca aagagaagcc 60
 aagaccgcct tggcaaaaga caggacaaa aaccggtaact tgcctgcct tgaaaaggtg 120
 ttaaagagcc atggccaaga ctaccttgcg ggttaacaggc tgacccgggt agacatccac 180
 ctgcgtggaaac ttctctctta tggtaagag tttgtatgcca gttttctgac ctttttccct 240
 ctgcgtgaagg cttcaagag cagaatcagc agccctccca atgtgaagaa gttcctgcag 300
 cc 302

 <210> 358
 <211> 286
 <212> DNA
 <213> Rattus norvegicus
 <400> 358

 cggaaagtgaa ccaaggcact gagcggcatc taatgcaccc ggggtttggac atctcagact 60
 ccaagatcg gttatgtatct ggagatcactg tggctgtgtc cccagccat gactcagccc 120
 tggtaaaccac gattggggag atcctggag ctgacctgga tgcgtatcatg tctctaaaca 180
 atctcgatga ggagtcaaac aagaagcatc cgtttccctg cccacccacc taccgcacgg 240
 ccctcaccta ctacctggac atcaactacc cggccacgcac caatgt 286

 <210> 359
 <211> 320
 <212> DNA
 <213> Rattus norvegicus
 <400> 359

 caagttcctg cagaacaagg ctttcctaac aggacccat atctccgtgg ctgactttgg 60
 ggcacatcaca gaactgtatgc atcctgtcag tggctggctgc aaaatcttcg agagccgacc 120
 caaactggct gcgtggcgctc aggggtggaa gcccacgtgg gggagagcct cttccaggag 180
 gcccatgaag tggctctgaa ggcctaaagat atgcctccct tgcgtatggacc gaccttgaag 240
 gagaaactga agtctctgtt caatgcgtct gcatgaggaa acagcctgaa gtcaaggaa 300
 acttgggtgtt gcgtgtgtt 320

 <210> 360
 <211> 288
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(288)
 <223> unsure at all n locations

 <400> 360

 tngcctctgt ccaccgaggc agttcacccg agggcgatct ccgagggtctg ccagcggtta 60
 cttcccacag cttccgccc gggtctggag ntctacctgg actgtatgtcc cagccctgccc 120

gtgccgtcta catcttcgc aagaagaacg gcatccctc cagctgcgt a ccatcgagct 180
 gcttaaaggc cagcattaca tgatgcnttg cncaggtgaa ctttgcggaa aggtgccggc 240
 nttaaaggc gagattcgtc ttgccaanna tgtggcancn tgtgttat 288

<210> 361
 <211> 272
 <212> DNA
 <213> Rattus norvegicus

<400> 361

gaactctgct caacagcctc ttctcttagt tcctgcagac aaaaatcccag aataaggaaa 60
 ctctgaacca ggagtcatgg aagtcaaacc caagctctac tactttcaag gcagggaaag 120
 gatggagtcg atccgctggc tgctggctac agctggagtg gagtttgaag aagaatttct 180
 tgagacgaga gaaacaatatg agaagttgca aaaggatggta tgctgcttt ttggccaagt 240
 cccattggtg gaaaatagacg ggatgctact ga 272

<210> 362
 <211> 286
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(286)
 <223> unsure at all n locations

<400> 362

ggcccatgga gcacacccag gctgtggact atgttaagaa gctgtatgacc aaggcccgt 60
 actcaactaga tttgtggagt aggagctacc accctccca cctctggctcc ctgtaatcac 120
 ctaacttctg cccacctcca cctctggtgg ttctgcctg gcctggacac agggaggccc 180
 agggactgac tctggcctg agtngtgccc ttctggccca ctaagcagag tccggccat 240
 tataatcaggc agcccagccc caaggcacat ggcaagaggg attgac 286

<210> 363
 <211> 288
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(288)
 <223> unsure at all n locations

<400> 363

gtaaaagang ctttgattga tcatggggag gagttgtgaa aagaggaag cttccagta 60
 gctgaaaaaa ttaataaaga ctttggatt gtttttagcc atggaaatag atggaaagaa 120
 ataagacgt taccctcact acgtctgcgg aatggggcat gggganaagg aacattgagg 180
 ntctgtgttca anaggcaanc ccgganacct nggggaggac ctgnggaaan ccatgggcn 240
 cacgtgnna cccangtnt atccctggc tngncncctt gnannacc 288

<210> 364

<211> 237
 <212> DNA
 <213> Rattus norvegicus
 <400> 364

 tcacugctaa agtccaggaa gagattgatc gtgtgggtgg caaacatcg agcccttgca 60
 tgcaggacag gagccgcatg ccctacacag atgcatatgt tcatgaggtc cagaggttca 120
 ttgacatcat tccatccaac ctgccacatg cggtgacatg tgacattaag ttcaggaact 180
 acttaataacc caagggaaaca acaataataa catcaatctc atcagtgctg catgaca 237

 <210> 355
 <211> 304
 <212> DNA
 <213> Rattus norvegicus
 <400> 365

 cggagaatgga gccccatccgg tggctctgg ctgcagctgg agtagagttt gaagaacaat 60
 ttctgaaaac tggggatgac ctggccaggc taaggaatga tggagatgg atgttccagc 120
 aagtgcacat ggtggagatt gatggatga agctggcga gaccagagcc attctcaact 180
 acattgccac caaataacaac ctctatggg aggacatgaa ggagagagcc ctcatcgaca 240
 tggatgcaga aggagtgccg gatctggatg aaatagttt ccattaccct tacattcccc 300
 ctgg 304

 <210> 366
 <211> 218
 <212> DNA
 <213> Rattus norvegicus
 <220>
 <221> unsure
 <222> (1)..(218)
 <223> unsure at all n locations
 <400> 366

 ggactggtc ggtttagcgt cctccgctcg agtgcacc gncgtctcgt acgagagccc 60
 ggcgcaggacc cggcgacact ntgcagacnt ggagactgtc gtttcgcaga tgccattct 120
 tatcccgagt ccctcaggcn tttctgcaga aggaggaa atctctgctg ttctatgctc 180
 aaaactgccc caagatgtatc gaatcggggc naancgg 218

 <210> 367
 <211> 269
 <212> DNA
 <213> Rattus norvegicus
 <220>
 <221> unsure
 <222> (1)..(269)
 <223> unsure at all n locations
 <400> 367

 ggtcnccatg gatctggta ctttcctggt acttactctc tcctctctca ttctcccttc 60
 actctggaga nagnnccgct aggagaagga agctenctcc tggcccccact cctctccna 120

ttatcgtaa ttccctccn gatagatgtg aagaacatca gccaatctta accaagttt 180
caaaaaccta tggccctgtg ttcactctgt atttgggctc acagccnct gtcatattgc 240
atggatntga agnataaag gagctctgt 269

<210> 368
<211> 270
<212> DNA
<213> *Rattus norvegicus*

<220>
<221> unsure
<222> (1)..(270)
<223> unsure at all n locations

<400> 368

gagaccgcca gttccgtctc tactctttg tgaggactgc agccaaacacc gctgacaatg 60
cagatcttg taaaaacctt aactggtaag accatcaccc tggaggcaga gcccagtgac 120
accattgaaa atgtcaaggc aaagatccag gacaaggagg gcatcccccc tgaccagcag 180
aggctgatct ttgcaggcaa gcagctggaa gatggcggca cctgttcag actacaacat 240
ccagaaggag tccacccntgc acctggctc 270

<210> 369
<211> 238
<212> DNA
<213> *Rattus norvegicus*

<400> 369

ggaagcaatg attcttaggtg tgtttctggg gcttttctt aatgtctgc ttctccttcc 60
actgtgaaag cagaattttc agagaagaaa ctttcttctt ggccccacac ctttccatat 120
catggaaat attttcaga tagatcttaa ggacatcagc aatctctga ggaatttttc 180
aaaagtctat ggccctgtgt tcaccctgta ctttggcagg aagctgtgt tggtgtta 238

<210> 370
<211> 260
<212> DNA
<213> *Rattus norvegicus*

<220>
<221> unsure
<222> (1)..(260)
<223> unsure at all n locations

<400> 370

aaaggaccag ttctgtattt gttgttagta ggctacgttgc tcatggggc ctctggcaac 60
ccaggtacct gaaaaccagt ttcagggaca gcagtgaga acatactcta ggcaaaacata 120
ctggcctgtt tccattataaa caagataacct aaggccaaact actttttta ccaagagaag 180
aggtttgtta cagcacaaga tgaggtggcc cctgtgttag cccttggagg gccatgtgga 240
aaataaacacg tggtgaggga 260

<210> 371
<211> 283
<212> DNA

<213>	Rattus norvegicus	
<220>		
<221>	unsure	
<222>	(1)...(283)	
<223>	unsure at all n locations	
<400>	371	
<pre>ccgcgtgtccc ttaccccggt ggctgcggcg atgcgtacgaa tgagctggat ggctcggtc atgttagaaggc gaccgtccnc gcccacaacc agcgtgggtt cctgcctcaa cgccggctcc acgggggaga cgtatgtttt gatgaaattc tcgtgtatgt tagcgttgcc ctggAACACC tncactcgat tccgcaaccc gctggtgccc gggttctgtat ccggntatgc ctgcgtcttc actgtcacgat tttcaccat ggtggccggg gctgcgnggc gac</pre>		233
<210>	372	
<211>	273	
<212>	DNA	
<213>	Rattus norvegicus	
<220>		
<221>	unsure	
<222>	(1)...(273)	
<223>	unsure at all n locations	
<400>	372	
<pre>ggaaaggatca tgcctatcgat ttacactncc aengngngtc ntgcgtgnca gcaatacagt tgcattcccg gaagccaaga ngcctttta tcagnatcca cganaaaaggg natattgctt magtictgaa cgcattggcca gaagatgttg tnanngstat tgcgttgact gatggatag ggatccctnc ggntngggcg acctttgtttt tannnggtt ggcattncctg ggggtaaag ggtccctgna aacaggttng ggggtngat ccc</pre>		273
<210>	373	
<211>	301	
<212>	DNA	
<213>	Rattus norvegicus	
<400>	373	
<pre>acggaaagta gttcccgctg ctatgccat ggtcttggaa ctgtacctgg atctgtgtc gcagccctgt ccgcgttatt tatactttcg ccaagaagaa caatatcccg ttccagatgc atactgtgga gctgcgaag ggtgagcacc tcagcgatgc ctttgcctag gtgaacccca tgaagaaggt accagccatg aaggatggtg gtttccaccc ttgtgtgagat gtggccatcc tgcgttaccc ggcgcacaag tataagggtt cttgaccactg gtaccccaa gacccgtcagg</pre>		301
C		301
<210>	374	
<211>	309	
<212>	DNA	
<213>	Rattus norvegicus	
<400>	374	
<pre>gggtctccat ggatctggtc actttcctgg tacttactct ctccctcttc attttccctct</pre>		60

cactctggag acagagctct aggagaagga agctccctcc tggccccact cctctccaa 120
 ttatttgtaa ttccctccag atagatgtga agaacatcg ccaatcctta accaagttt 180
 caaaaaccta tggccctgtg ttcactctgt atttgggatc acageccact gtcatattgc 240
 atggatatga agcaataaaag gaagctctga ttgataacgg ggagaagttt tctggtagag 300
 gaagctatc 309

<210> 375
 <211> 298
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(298)
 <223> unsure at all n locations

<400> 375

gtacccacat gtcacagcta aagtccagga agagatttgac cgtgtgttgc gcagacatcg 60
 cagccccctgc atgcaggata gaaaacacat gcctacaca gatgcctatga ttcatgaggt 120
 acagagattc attaactttg tcccggaccaa cctggccat gcagtgcacct gtgacattaa 180
 attcaggaaac tacctcatcc cgaaggaaaca aaagtgttaa catcaatgac atcagtgtcg 240
 catgacagca aggagttccc naacctcagag atgtttgacc ctggccactt tctagatg 298

<210> 376
 <211> 234
 <212> DNA
 <213> *Rattus norvegicus*

<400> 376

cagacatcgc agccccctgca tgcaggatag aaaacacatg ccctacacag atgcctatgtat 60
 tcatgaggga acaaaaagtgt taacatcaact gacatcgtg ctgcattgaca gcaaggagtt 120
 ccccaacccca gagatgtttg accctggcca ctttcttagat gagaatggaa actttaagaa 180
 aagtgactac ttttgcctt ttcagcagg aaaacgatgt tttgttggag aggg 234

<210> 377
 <211> 267
 <212> DNA
 <213> *Rattus norvegicus*

<400> 377

gtccctgacca ggctacgatc tggtaacggcg gatgtctatt gtctatgcac taggcgcctg 60
 gtcgggtgctg ggctcggcgta tttcccttac acgaaaacccg aagatgtcag actatgggga 120
 aatgtaaagag gatgactcaa gcaatgaaat gccttttct acaagtgaag actctgtattt 180
 agcgatggaa agggctgagc ctattaaagg gttttatacg aagacaatttgc taaaagtattc 240
 aaaaaattct gttccattac tcaqagq 267

<210> 378
 <211> 249
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(249)
 <223> unsure at all n locations
 <400> 378

aatccgg nag aggatccacc tgagaccta ggnccctta ttcttcttg tcaacaacac 60
 t atccctccc accagtgcta ccatggaca gctgtatgag gacaaccatg aggaagacta 120
 'tttctgtat g'ggcctaca gtatgaaag tgtctacggg aatgaggca gaagcccagc 180
 agatgggagc gctggactt ggggttaggg gaggggtggg tgtggactt gggaaaccag 240
 agggaggc 249

<210> 319
 <211> 292
 <212> DNA
 <213> Rattus norvegicus
 <400> 379

gaagggagct cagcacgttc agccctgca a gggcagtac acaaaattga gagtaaagct 60
 cgaagagaga c'tgtttaaa gaaaacggca atggatttga tcccaaactt ttccatggaa 120
 acctggctgc tcttggttat cagcctggtg ctactcttac tatatggAAC tcattcacat 180
 ggaattttta aaaagttggg aattcctggg cccaaacctt tgccttctt gggacgatt 240
 ctgtttacag gaaggcgtct gggaaattgac aaatactgac ataaaaaata tg 292

<210> 380
 <211> 168
 <212> DNA
 <213> Rattus norvegicus
 <400> 380

ctatcccgtt tggagttatt tttattcctg accacgattt tacaaaactt taagctgaaa 60
 tctgtacttc accaaaagga tatcgataca actccagttt tcaatggatt tgcctctcg 120
 ccaccatttt atgagctgtg cttcattcct ctctaaagag atcaaatt 168

<210> 381
 <211> 298
 <212> DNA
 <213> Rattus norvegicus
 <220>
 <221> unsure
 <222> (1)..(298)
 <223> unsure at all n locations
 <400> 381

accagttct gttccactc gcagagaagc agagaagcgg agnaagcggc gctttccaga 60
 acctncgggc aagaccagcc tctccagag catccccacc gcaaggcan accttctcca 120
 gagcataccc cagcggagcg nacccttccc cagacatcc cccggccaa gcaacaccc 180
 ccagaagcag agagcggcga catggccaag aaaacagcga tcggcatcga cctggcacc 240
 acctactcgt gctgtggcgt gttccagcac ggcaaggcgg agatcatcgc caacgacc 298

<210> 382
 <211> 297
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(297)
 <223> unsure at all n locations

<400> 382

ananaaataga agaacaccag gaatcattgg atgttacaaa ccctcgtat tttgttatt 60
 attacctgat taaacaaaaa caggcaaaaca acatcaaca atcagaatat tcacatgaaa 120
 atctgacatg cagtatcatg gatctcattt gtgcaggac agagacaatg agcacaacat 180
 ttagatatgc tctctgtctt ctgtatgatg acccacatgt cacagctaaa gtccaggaag 240
 agatigaccg tgtgattggc agacatcgca gcccctgcat gcaggataga aaacaca 297

<210> 383
 <211> 234
 <212> DNA
 <213> Rattus norvegicus

<400> 383

aacgcagccg actctgcagc attgcccattt caggaatgtat attggaaatc tttgtgtgc 60
 ttcgtggg cggcatcattt agtgaagccc tgggtggcc ctttgtctt tataatcttg 120
 guagttttgg tgggtctgc tgccttctt ggttattatgtat gaccctgtct 180
 ctcacccatg gataagtagc ccagaaaagg agtataattttt atccctccctg gacc 234

<210> 384
 <211> 299
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(299)
 <223> unsure at all n locations

<400> 384

agctgccatc ttgcgtcccc gcgtgtgtgc gccttatatc agctggtctg cccgagacnc 60
 tctgagcgtg aaccttagtc ccccgccgg ccccatatcc actccgacaa gatgaaagaa 120
 acgatcatga accagaaaaa actcgccaaa ctgcaggac aagtgcgtat tggtggaaaa 180
 ggaactgctc gtggaaagaa gaaggtggtt cacagaacag ccacagcaga cgataaaaaa 240
 ctgcagttct cttttaagaa gtttagggta aacaatatct ctgtattgaa gaggtgaac 299

<210> 385
 <211> 291
 <212> DNA
 <213> Rattus norvegicus

<400> 385

ctgacgttgt ctatagaaca gtggccaacc tttctggatg tgagcaggatg gactccaagg 60

ctctggtgaa ctgtctacga ggcaagagcg aggaagagat tatgtctatt aacaaggcct 120
 tcaggatcat ctctggcata gtggatggta tcttscitcc cagacatccc aaggagctgt 180
 tggatctgc tgactttcac cccatcccc gcattatgg tgtcaacaat gatgagtgatg 240
 gctggatcat tccctcgacg atgaccacca ctgastccaa gaagaaaatg g 291

<210> 386
 <211> 304
 <212> DNA
 <213> Rattus norvegicus

<400> 386

actgagtgga cctgtgaaga atccaaattc caaaataattt tcaacatgga ttcccgtaaa 60
 tcccgagaa gagggaaagga gatgggtggat tatatagtctg astatatctgga cggcatttgag 120
 ggaatgtccag tgcacccctgaa cgtggagccct ggctaccccttc gggccctgtat cccaccact 180
 gccccccagg agccagaaac atatgaggac ataatzagag acattgaaaa gataatctg 240
 ccagggtcac acactggcac agccctact tcttcgttta cttccccagg ccagctccta 300
 cccaa 304

<210> 387
 <211> 264
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(264)
 <223> unsure at all n locations

<400> 387

gngcggagga agccgactgt tccggatctc tgcatacgag ggcccaacct ttgtccana 60
 gatcatggct gccgaggatg tggggcgac tgggnncgac cccagcgagc tggagggcgg 120
 cggggctgtt caanagatnt tcacgnccgc tctcaacctg ctgtccttg gccatgcatac 180
 ttccctgctt acaagatcga tcgcnnggac cagcccggtg ccaatgggaa caacnactcc 240
 gacgagnnngn ccncgctgnc nncng 264

<210> 388
 <211> 267
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(267)
 <223> unsure at all n locations

<400> 388

cggaaacagtc gaggcttagat tgacacaqct gtccgttcag accccagcac catgcccattg 60
 acactgggtt actgganat ccgtggggct agcgcatgcc atccgcctgc tcctggataa 120
 cacagactcg agctatgagg agaagagata caccatggaa gacgctcccg actttgacag 180
 aaggccatgg ctgaatgaga agttcaaaact gggcctggac ttcccaatac tgccctactt 240

aattgtatgga tcacacaaga cacccag

267

<210> 389
<211> 307
<212> DNA
<213> *Rattus norvegicus*

<400> 389

atgccttac gcagcttaat gtggcctttt cccgggagca gccccacaag gtctatgtcc 60
agcaccttct gaagagagac agggAACacc tgtggaaagct gatccacgag ggccgtgccc 120
acatstatgt gtgcggggat gtcgaaata tggccaaaga tgtgaaaac acattctatg 180
acatgtggc ttagttcggg cccatggagc acacccaggc tgtggactat gtttggaaagc 240
tgtgaccaa gggccgtac tcactagatg tgtggagcta ggagcttacc aaccccccac 300
cccttgg 307

<210> 390
<211> 248
<212> DNA
<213> *Rattus norvegicus*

<400> 390

tcttggagaa ggcattgccc gaagtgaatt gttccttttccactacca ttcactccagaa 60
ttactcagtg tccagccctg tggatctaa caccattgtatgactccca aggagagtgg 120
tttagccaaa ttagccccag tgtacaagat ttgtttgtatggccgtgtat tggtgtgagg 180
tgtcagccg actcacttct gttcaaaatg gccccatttt tctgattttg ggagacctgc 240
tggagacc 248

<210> 391
<211> 283
<212> DNA
<213> *Rattus norvegicus*

<400> 391

atgttttgg accctgtcat tccctgtgga gagctgggtt cagaagtact ttagatccct 60
tttgtaaaca cattgaggtt cagcatgggc tactccatgg agaaatactg cggccaaactt 120
ccagttccac ttcgtatgt accgggtgtc agggtaact aacagaccat atgacccat 180
cagagagggt gaaaaatatg atgcttcac tgttttgtatggccgtc cagcaatatg 240
actttgcatt ctggatcag ttttacagta aaactctagg aag 283

<210> 392
<211> 290
<212> DNA
<213> *Rattus norvegicus*

<220>
<221> unsure
<222> (1)...(290)
<223> unsure at all n locations

<400> 392

ggactatctc cccttaagt ggaaggcgt agtcaaatgc agtanagac tataaaacac 60
 cgagaactc tggatgttgc tgaaaacttag agggagcagc tttaaaca gagaactcaa 120
 gcaattgtcg ccatgccggg gaagccagtc cttaactact tcgatggcag gggagaatg 180
 gagccatcc ggtggctct ggctgcagct ggagtagagt ttgaagaaca atttctgaaa 240
 actggggatg acctggccag gctaaggaaat gatgggagtt tgatgttcca 290

 <210 . 393
 <211 . 281
 <212 . DNA
 <213 . Rattus norvegicus

 <220 .
 <221 . unsure
 <222 . (1)..(281)
 <223 . unsure at all n locations

 <400 . 393

 tggatgtacc ctgcaaggct gtgttcagg gcccggaaagg ctcactgttc cgaaaatggcc 60
 gggcgttcag acaaggatgt gaagtactac actctggggc gagattcaga agcacaaga 120
 tggatgttgc acctgggtga tcctacatca taagtgtacg atctgaccaaa gtttctgaa 180
 gagcgttcgt gtggggaaaga agtcctaaga gagcaagctg ggggtgtatgc tactgagaac 240
 tggatgttgc ctggggactc taacggatgc acgagaactg t 281

 <210 . 394
 <211 . 287
 <212 . DNA
 <213 . Rattus norvegicus

 <220 .
 <221 . unsure
 <222 . (1)..(287)
 <223 . unsure at all n locations

 <400 . 394

 tggatgttgc tgccatggc ctggaaactgt acctggatct gctgtcgag ccctgtcgcg 60
 ctatgtatat ctgcgcagg aagaacaata tcccnntccca gatgcataact gtggagctgc 120
 gcaagggtga gacccctcagc gatgtttgc ccagtgaacc ccatgaagaa ggtaccagcc 180
 tggatgttgc gtggcttcac ctgtgttagt agtgtggccca tcctgtctca cctggcgcac 240
 tggatgttgc ttcctgacca ctggtaaaaa caagactgca ggccccgt 287

 <210 . 395
 <211 . 283
 <212 . DNA
 <213 . Rattus norvegicus

 <400 . 395

 aagagaatcg cattaaagag aaagaaaaagc aaagaatgga ctttcttcag ctgtatgataa 60
 actccctcagaa ttccaaagtc aaagactctc ataaaggcatt atccgtgtg gagattgtgg 120
 cccagtcgt tatcttcatt tttgccccgt atgagaccac tagcagtgtc ctttccttgc 180
 ttttgtatatt gctggccatt caccctgtata tacagaagaa actgcaggat gaaattgtatg 240

cagctctess caataaggca catgccacct atgataccct gctacaaatg gag 293

 <210> 396
 <211> 266
 <212> DNA
 <213> *Rattus norvegicus*

 <400> 396

 gttttttttt cttttttttt ggtttttttt tagttttttt atttttttt tgttttttt 60
 tttttttttt gttttttttt tacttttttt cttttttttt ctttttttt tttttttttt 120
 ttttttttt tttttttttt ttttttttt ttttttttt ttttttttt ttttttttt 180
 ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt 240
 ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt ttttttttt 296

 <210> 397
 <211> 259
 <212> DNA
 <213> *Rattus norvegicus*

 <400> 397

 gttttttttt tttttttttt cttttttttt gttttttttt gttttttttt gttttttttt 60
 tttttttttt tttttttttt ttttttttt ttttttttt ttttttttt ttttttttt 120
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 240
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 299

 <210> 398
 <211> 252
 <212> DNA
 <213> *Rattus norvegicus*

 <400> 398

 gttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 180
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 240
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 298

 <210> 349
 <211> 272
 <212> DNA
 <213> *Rattus norvegicus*

 <220>
 <221> unsure
 <222> (1)...(272)
 <223> unsure at all n locations

 <400> 399

 gttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 120

ttttggcaa tattttgcaa ntgggtgtta aaaatatcag caaatctatg tgcatgcnag 180
 cggaaagagta cgggcctggn tcaccatgta tctgggcgtg aagcccaactg tggtgctgta 240
 tggatatgaa gtattgaaag aagctctgat tg 272

<210> 400
 <211> 294
 <212> DNA
 <213> Rattus norvegicus

<400> 400

cttccgtggg ctggctcaagc ccattcgccc gttccctggag tatacagaca caagctatga 60
 ggacaaagaag tacagcatgg gggatgtctc cgactatgac agaagccagt ggctgagtga 120
 gaaatcaaaa ctgggcctgg acttcccaa tctgcctac ttaattgatg ggtcacacaa 180
 gatcacccag agcaatgcctt tccgcgtt ccttggccgg aagcacaacc tttgtgggaa 240
 gacagaggag gagaggatc gtgtggacgt tttggagaac caggctatgg acac 294

<210> 401
 <211> 276
 <212> DNA
 <213> Rattus norvegicus

<400> 401

gtcgtggagca ggtctgaccc attgctctct ctgctcagag ttccccaggt ctgaagtctg 60
 cttgtcaagat gtcageccctc aaagctgtct tccagtacat tgacgaaaac caggaccgct 120
 ttgtcaagaa acttgcagaa tgggtggcca tccagagcgt gtccgcgtgg ccggagaaga 180
 gaggagagat gagaaggatg acggaagcgg cagtcagat gtccagaggg tggggggatc 240
 tttgtggagctg gttggatatcg ggaaggcagaa gctccc 276

<210> 402
 <211> 271
 <212> RNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)...(271)
 <223> unsure at all n locations

<400> 402

ctgacactgac ccatgatgta agggncgtt ggggagcatc accactgcaa aggctgacta 60
 aggnctgttn ggctaaaggt cnctttgtttt cccagtgtct anagtcacac cttctttgct 120
 ctggcccaag gaggcctact tcttctttt ctcgnggaat cctgaaatct taaagataaa 180
 agaacctaga aagaaaatca aacccacttt cttgtgggg cagatggtaa tatggactg 240
 agaaacagcaa acctggggtc ttggagagga g 271

<210> 403
 <211> 253
 <212> DNA
 <213> Rattus norvegicus

<400..	403					
cgcaactgctc	ctaggcgaag	agccttcacc	tcttctacag	ccaacaccat	gcgcgagatc	60
gtgcacatcc	aggcgccc	atgcggcaac	cagatcgccg	ctaaggcaac	aaatatgtac	120
ctcgccatcc	cctagtggac	ctggagccag	gcaccatgga	ctcagtgagg	tcgggaccat	180
tcggccatcc	tttcaggcca	gacaacttg	tgttcggtca	gagtggtca	ggaaataact	240
ggcggaaagg	cca					253
<210..	404					
<211..	312					
<212..	DNA					
<213..	Rattus norvegicus					
<400..	404					
cagctggctt	cttacatata	gttctgtgaa	agagatcaga	gagtgaaaga	aagatggcgg	60
ggggatcaag	ccgctggct	gcagtctccc	ttctctctgc	ctgtcagcaa	aqtatttttgc	120
cttttcaagt	gggacgagta	agattaaaat	acaagatcgc	acctccagca	gtcacggct	180
ctttggagtt	ttagagaaaata	tttcggcgcac	agcaaaaactc	tttggagttt	tatccgtat	240
tcatcatata	gtgtggatg	gctggatggt	atttcaatca	agttttgca	acctgtctgg	300
gtcttcgtata	ca					312
<210..	405					
<211..	245					
<212..	DNA					
<213..	Rattus norvegicus					
<220..						
<221..	unsure					
<222..	(1)..(245)					
<223..	unsure at all n locations					
<400..	405					
cgcgggtcg	tttcctgagc	ctccctctggc	tctgtgtctc	tgttcctcagc	ttccacgtcc	60
tcccccga	gcgcctatgg	gggttaccat	aagccagatc	agcagaagct	ccaggccctg	120
auggacacag	ccaatgcct	gcccattcag	atccanncca	ggccaccacc	gcccaggcgc	180
nggacacccc	acatcttgn	gtagegcngn	cgagagcng	gtcgncgtgn	tatnnnnnac	240
caggc						245
<210..	406					
<211..	299					
<212..	DNA					
<213..	Rattus norvegicus					
<400..	406					
tcataccaa	ggaaacagca	gtactaacat	cacttacatc	agtgtgtcat	gacagtaagg	60
aattcccaa	cccagagatg	tttgaccatg	gtcactttct	agatgagaat	ggaaacttta	120
agaaaaagtga	ctacttcatg	cctttctcag	caggaaaacg	gaaatgtgt	ggagaggccc	180
ttggccagtat	ggagctgttt	ttgttcctga	ccaccatttt	acagaatttc	aaactgaaat	240
ctctgtctga	tccaaaggac	atcgatataa	actcaatacg	ttctgagttt	tcatcaatc	299

<210> 407
 <211> 290
 <212> DNA
 <213> Rattus norvegicus

 <400> 407
 ggaagggaa gaatgccagt ttttaaaag gctactaaag gactggcat tagtttagc 60
 cgtggaaatg tatggagagc cacaagacat ttcacagtca ataccctgag gagtttggc 120
 atggggaaac ggaccattga gatcaaagtg caagagaaag cagagtggct agtcatggaa 180
 ctgaagaaaa ccaaaggctc accctgtat cccaaattca tcataggatg tgctccctgc 240
 aatgtcatct gctccattat cttccagaat cgtttcgatt ataaagataa 290

 <210> 408
 <211> 221
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(221)
 <223> unsure at all n locations

 <400> 408
 catragttct gtgttcaaag ttaacatcg agataatggg ctcctgncnt cncntccnt 60
 tttgtntngc tngggcantg gnaaccnnga agnccnntgg aganttccan aaaagaaaaa 120
 atttaggggc acaaatgtga gaaaaancnt cacaancn gggnanannc cccctgntgc 180
 gctnttggc gggctgccct atgtccaatc cagctatatt g 221

 <210> 409
 <211> 116
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(116)
 <223> unsure at all n locations

 <400> 409
 attttgagat ggaacgattt gaagtcttgg gtgtcccctt cagtctccaa ctttggaca 60
 ctgttgtca ggagaggttc aagtgcacatcg ctccacaca acatangagn gnnatt 116

 <210> 410
 <211> 275
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(275)
 <223> unsure at all n locations

 <400> 410
 cacagccctt accagcnac cctccataac tgcaccaaga ggatctatcc aacacccccc 60

tgagcaggag gagectgaag actccaaggg aaagagtcct gaggaaccct ttcctgtca 120
 gttggatcta accacaaacc cacagggta cacactggat gtctccttcc tctacctgga 180
 gctgaggaa aagaaaactgg tggcctgcc ttccctggg aaggaacagc gctccctgaa 240
 gtgcgggggg cccgaaaagc aaagaacccc ctgat 275

<310> 411
 <311> 300
 <312> DNA
 <313> Rattus norvegicus

<320>
 <321> unsure
 <322> (1)..(300)
 <323> unsure at all n locations

<400> 411

ccttcttcaa tatcctacgc ttccctctgt ccatgttcc catggtncc tcatacgatcc 60
 tccaggccag tgtttctgtg gaccggctgg agaggtatll gggaggagac gatttagaca 120
 catctccat tgcggcggtc agcaattttg ataaagctgt gaatgtttca gaggccttctt 180
 ttacitgggc ccggacttgg aagccacaat ccaagatgtg aacctggaca taaagccagg 240
 ctaatggtgg ctgtggtggg cactgttagct ctggaaatc ctctttggta tcagccatgt 300

<310> 412
 <311> 286
 <312> DNA
 <313> Rattus norvegicus

<320>
 <321> unsure
 <322> (1)..(286)
 <323> unsure at all n locations

<400> 412

cnagaagtta gtggagtact tgaagcagag ttctgttgc ctgtgtttct ggatctttt 60
 gatgtgtgtg ggctaaactgg tgccaagtttac ttctctccc gtcagtggtc ttcagcagg 120
 ggatatttttgc tcaactatctt gaagaangct cccagtgtcc cagtcctccat tcataatgtcc 180
 ccagaggtat ctgtgaaactc acagatacca tgactttcaaa ggaaagagtg tgaaacttct 240
 ttccataatgg gggagcatgc attctgtccc agttttcaaa aactgc 286

<310> 413
 <311> 272
 <312> DNA
 <313> Rattus norvegicus

<400> 413

agagaaggct gctgagggaaa cactggaaag cttacctca ggcactaagt tgaagggaaa 60
 acgacaatgg ccacaatggt agaactgagc cttacaatgttgc agcagtgtga gtttgccta 120
 ggtctggccag tgaataagaa gaccctccc cggaaaatcc cggatgtatgc ttccatgcgc 180
 tattcaatag ctttcatcgc acatatctgc aacttcacat tgatagcaca gaattccatc 240
 ataaggatca ccatggtagc catggtaac aa 272

<210> 414
 <211> 103
 <212> DNA
 <213> *Pattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(103)
 <223> unsure at all n locations

<400> 414

a g t t c c g g g g q a g g t c g c c c a c a t c t t c a g g n t g a a a g c t g c a g t g t t g g c t g t g g c c c 60
 t g g t t c t c t g a c a g g t t g c a a g c t t g g g a t t c t g g c a g c a 103

<210> 415
 <211> 273
 <212> DNA
 <213> *Pattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(273)
 <223> unsure at all n locations

<400> 415

a u g g c c t t a a a a c t g t c a t c a a t a a c a a g a g t t a c a a g g a g a a c a t c a t g c g c c t c t c c 60
 a g c t t c a c a a g g a c c g t c c t a t c g a g c c t c t g g a c c t g g c t g t g t t c t g g a g g t a c 120
 g r g a t g a g g c a c a a g g n g g c g c c a c a c t g c g c c c c a c g a c t c a c c t g g t a c 180
 c a g t a c c a c t c t t g g a c g t g a t t g g c t t t c t c t g g c c a t c g t g t g a c g g t g t c t c 240
 a t t g t c t a t a a a g t t g t g c c t a t g g c t g c c g g 273

<210> 416
 <211> 106
 <212> DNA
 <213> *Pattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(106)
 <223> unsure at all n locations

<400> 416

g a a g a n n n a c c t g g a c a c c c a g a c t g t t g g a g a n c t c c g g g g a t g t c g c t c a c a t c c t 60
 t c a g g a t g a a a n c t g c a g t g g t g c a g t g n a g g n n c t g g t c t n c t g a 106

<210> 417
 <211> 294
 <212> DNA
 <213> *Pattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(294)
 <223> unsure at all n locations

<400> 417

c a c t a a a g c a a a a g c a g a c a a c t c c a g c t c t c c a c a c a g c t g g t c g a c a c t t g g g g g g g 60

acacaagggc cttagctatg gagtgcgat tccacagaca cctatggta ccttggatac 120
 tgccaaaact cttaaataca tggactttt cctcagaaac ttgtcttcag atatccttt 130
 aatcttcagt ttltgtttgt ttttgtttt nggaggaagg cctctctcta tgttagctatg 210
 gctgtcttag aatcaatctgt tagatcaggc tggcctcaga ctcatgcctc tgct 294

<210> 418
 <211> 262
 <212> DNA
 <213> *Rattus norvegicus*

<400> 418

cgaggcttcc aggttagcggtt cggtcgcagt ctgtcccagg gtacgaccgg gccttggca 60
 cagatcgccg gacccggggc tgcctttta agggaggggg tggagccacg agtgaggatc 120
 gaaangctcc aaaaaacttg aggccagagc cccgcaccag ggtgcagcca tgagtgcgga 130
 ggtgttagtg acaggccaga accaggagca atttctgctc cttgccaagt cggctaagg 240
 ggcacgcactg gacacactca tc 262

<310> 419
 <311> 145
 <312> DNA
 <313> *Rattus norvegicus*

<320>
 <321> unsure
 <322> (1)..(145)
 <323> unsure at all n locations

<400> 419

acacaaagcn atttanantg ccagactata cttggttaa aggaataacctt tttcatgnct 60
 ctgggattca aaagncaattt tnccaaaatg tnngnaana attttgcgn cnancggca 120
 ntcatntga nccggcttanc ccagt 145

<310> 420
 <311> 271
 <312> DNA
 <313> *Rattus norvegicus*

<400> 420

ctccaaacctg gtgcgcacc accggctgca caccggggaa aagccgtatg tctgcagcca 60
 gtgtggcaag gcttcatct ggagctctgt gtcatcgaa caccagcgca ttcacacagg 120
 cgagaagccc tacaagtgtg aagactgcgg caaggccttc cgaggacggt cgcatctt 180
 cccgcactta cggaccacca cggcgagaa gcccctctcc tggctcctt gtggcaaagc 240
 gtttggccag agctctcagc tcatccagca c 271

<210> 421
 <211> 282
 <212> DNA
 <213> *Rattus norvegicus*

<320>
 <321> unsure
 <322> (1)..(282)

<223> unsure at all n locations
 <400> 421
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 ttgatgtgag tgggaagaat gggggagatt cgcagcttg tcctcatcac tggctctg 120
 attcggca aggagagctg ggctctgga gatgagaact gtttgagga gcaggtgagg 180
 ctccaggcgc aggtgegcca gcttgagacc cgggtcaaac aacaacgggt ggtgattgca 240
 cagctttgc acgagaagga ggtccagttc ctggatagag ga 282

 <210> 422
 <211> 222
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(222)
 <223> unsure at all n locations

 <400> 422
 ctgaaagacca acitgtcctc agtgagcgac tggatgcagc aggtggtgga gcttctgcaa 60
 gancagagca tggatccca caccaccatc aaaggcatcc atgaactctt tggccggaa 120
 aacaaatgg atcaaataccg agtgagttt gagactctcc catcaactacc aattaccaag 180
 ctggatctgc agtggtgtca gattctgagc gaaggctggg cc 222

 <210> 423
 <211> 275
 <212> DNA
 <213> Rattus norvegicus

 <400> 423
 gagaaaggcc accacccatgc taggtgaggt gtgccagcat ggtccctgggg gtctcaactgt 60
 ccccaugccct gggacgtgg ttccgcatg caatccctt cgctatctc acgctgttac 120
 ttctttatat cagtgatgg ctcttcatg agtggccctt tggatgcac gctcaaagaa 180
 ctcaagcagtc cggccgtgg gaactcaagc tctttctcc ttctccagcc ctcacccctc 240
 tggatctgt cacctcaggt gtttacaag gctga 275

 <210> 424
 <211> 279
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(279)
 <223> unsure at all n locations

 <400> 424
 attcctcatt gcatgatgcc ttccaaataaa gggcaacgtg aatacagttt ataaatcaac 60
 gagtattttt agccttgtt aaaaacatctt tttactccan nnnnnnnnnnnnnnnnnnn 120
 nncaaactaa atcattgttag ctaacctgta atatacgtag tagttgaccc gaaaaagttg 180

taaaaattn	gcttaaccg	acacgtaat	atttcagata	aacattata	tcttgtata	240
taaaaanaag	aaaannang	caatggnng	atnaact	at		279
<210>	425					
<211>	238					
<212>	DNA					
<213>	Rattus norvegicus					
<220>						
<221>	unsure					
<222>	11..(288)					
<223>	unsure at all n locations					
<400>	425					
gtgttcgcag	atcccagca	ctcttgcga	aggactctt	tccttctcta	ccagagcagc	60
atangaggga	atggctgccg	tgtctccacc	taccagatgt	caggcatcgg	tgacgttga	120
agatgtggct	gtgacettca	cagatgacga	gtggaaagggt	ctggtaccca	tgcagagagc	180
actctacaag	accgtgatgc	tggagaacta	tgagagcatc	atctctctgg	ggcttccgt	240
tcctcgacct	atgtgtattc	ttcagttcaa	gagaaggggc	gaatcctg		288
<210>	426					
<211>	236					
<212>	DNA					
<213>	Rattus norvegicus					
<220>						
<221>	unsure					
<222>	11..(286)					
<223>	unsure at all n locations					
<400>	426					
gtctggctg	atgctaaagg	acacacagna	gcaagtcac	agatccgtga	ttagtccac	60
gggggcaggg	atganggcc	ccatcttctg	catcttgacc	tgggtcagcc	tgacagctgg	120
ggaccgcgt	atcatccacc	cctttcatct	cctctactac	agcaaganca	ntgcgcaca	180
gttggagaac	ccatgtgtgg	agacgtccc	agagccaaacc	tttgcgcctg	tgcattca	240
ggccaagacc	tcccccgtgg	atgagaagac	cctgcgagat	aagtctcg		286
<210>	427					
<211>	235					
<212>	DNA					
<213>	Rattus norvegicus					
<400>	427					
gaggattcac	atcacattgc	ttcccgctgg	ccatgagtga	gctgccctt	ctgagtcac	60
aggagggccag	atggcctcac	aacaacagag	ggtctcagag	ctccctggag	gaaggctcag	120
ttcacaggctc	ataggctcg	cacagcttag	gtgtcctgaa	tgttccttc	agcgtcagaa	180
ccgtgtcgaa	ccctgggtgg	acatcaaatac	atgccagcag	aagtgggaca	ggaaa	235
<210>	428					
<211>	249					
<212>	DNA					
<213>	Rattus norvegicus					

<400> 428
 cccgtgttct ggaagtggag atcgtgagtc atggctgctc cccgagacgc agagatccac 60
 taggacgttc agaactacta tggaaatgta ctgaagacat ctgcagacct ccagactaat 120
 gcttgcgtca ccccagccaa gggggccct gactacatcc gaaaaagtct gcagaatgta 180
 catgaagaag ttatttccag gtattatggc tgccgtctgg tggtgccctga gcatctggaa 240
 taatgtccgg 249

 <210> 429
 <211> 233
 <212> DNA
 <213> Rattus norvegicus

 <400> 429
 ctgaucttga ccaaagggag actcaggttg gaaacaaaat cccagggatg atacacggaa 60
 aaaaactccatt aggcacagtg acatacatgt gtaattcaaa cgctgcactt gagagactga 120
 ggccaggagga gatctatcga aaggttgaga ccaactagct gtaggctagc ctgggctatg 180
 ctgttaagac cttgtcacaa agtacaagaa gggagaataa aagaatattt cct 233

 <210> 430
 <211> 287
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(287)
 <223> unsure at all n locations

 <400> 430
 tcaagagcat atgtgcggca cagagtggac ntgtatggctt ttgttgttgt tttgttatgt 60
 gtgcacatct atgtttcat atctaccgtt tgggtatgcc ttgtccctg ggttagggact 120
 ggctctctgg acaagtagat gtcctgttag cctgcagaca tcacatgact ctcagaacg 180
 aatcgtgtat cctggccct gtcctgtgc atgcacatcc ccctccctcg tccccaggca 240
 gagggcaaggg tgggtgaggc ctatggcag agggcatatt gtgaaga 287

 <210> 431
 <211> 183
 <212> DNA
 <213> Rattus norvegicus

 <400> 431
 ctaaaattaa gatagagtga atgagacaga tatctgtaga cactgtattt tcttgtgtga 60
 tcagatctag tgggtggat gatagaagtt gaacttgctt tattgtatg tggtaaaata 120
 ttgtttgc attaaatggc ctattgaaat gctttctgt tcctataata aaataacctg 180
 atg 183

 <210> 432
 <211> 287
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(287)
 <223> unsure at all n locations
 <400> 432

 tcaaaagcat atgtgcggca cagagtggac ntgatggctt ttgttgttgt tttgttatgt 60
 gtgcacatct atgtttcat atctacccgt tggatgtcc tttgtccctg ggttagggact 120
 ggctctctgg acaagtagat gtcctgttag cctgcagaca tcacatgact ctcaagaacg 180
 aatcggtat cctggtccct gtcctgtgc atgcacatcc cctctctgg tcccgaggca 240
 gagggaaaggg tgggtgaggc ctatggcag agggcatatt gtgaaga 287

 <210> 433
 <211> 283
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(283)
 <223> unsure at all n locations
 <400> 433

 ttggatntcan cacgtntgc tgagnannng gctgntgtgt acccccagag atccctnctg 60
 ttggaccttc accagtceng gggnggctgg gactcccaca cctcaagccc gagctatgac 120
 ttacattcca ctgctggag aagagaggcg gggcccagag tattctgccc ttgggagtca 180
 aagaacctag gngccaggct ggcacaggga tggggaggct ggnctttat aaattnata 240
 tgcaganna aagannaaaa naagggcgcc cnccgacaag nna 283

 <210> 434
 <211> 295
 <212> DNA
 <213> Rattus norvegicus
 <400> 434

 aagatcgaa gaatcacagg gctggaccct gcaggaccctt tgtttggagg aacttcccc 60
 aacgagcgcc tttctccaga ttagtccaaat ttttggatg ctattcatac ctttaccagg 120
 gagcacatgg gtctgagtgt gggcatcaaa cagccatttgc cccactatga ctcttacccc 180
 aacgggggctt cttccagcc tggctgcccac ttccctggagc tctacaaaca cattgcagag 240
 catgggctta aatgccataa cccagaccat caaatgtgcc catgagcggtt ctgtg 295

 <210> 435
 <211> 133
 <212> DNA
 <213> Rattus norvegicus
 <400> 435

 ccctgattct ttgtgttat agccctggat gtgtatgca gacattatct aactgtgtgt 60
 ggtaaccttg acatcacaga actgctagtg aacgaggtaa aaataataaa ggtacaacca 120
 gtgcacatcgca aaa 133

<210> 436
 <211> 212
 <212> DNA
 <213> *Fattus norvegicus*
 <220>
 <221> unsure
 <222> (1)..(212)
 <223> unsure at all n locations
 <400> 436

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accacagtt tcgaagctgg ccggctttgt ctttaggtcga tggtaagac aacggcatct 60
tcacragccg acaggaacgt gcagggagag tctggttcta gggcaactt gtgggatgt 120
cccttgcgtt gggccacacg cttgggttgc ttgcagcact gtgtacang cttctctgc 180
gtactggacc tgcccatccc ggcacacata gc 212
  
```

<210> 437
 <211> 291
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 437

```

tttaataacg taatgacgcg gtcctttcc taatccctaa aaacctgtct cataaagtgt 60
aatggggag cagccctttt ggtgttgc当地 aatgaagttc caggcttcta aatgttgcc 120
atgtttt当地 aggagctaat gccattgtaa atgttattag tttcacattt cttgagcage 180
cttagtgtaca gggtaacat ttgttagatct tgtaatgtatg tattgtgttg tggaaagtact 240
gtgtttgtat agcagtagtg gggcaaaaag caatcttgc attgaaatgt a 291
  
```

<210> 438
 <211> 262
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 438

```

ggatiaatga gacggctcgg gtcgagtgc当地 tttgcagggg actcgggttt gttcccagc 60
gtccacgttg ggcagcacac aagtgtccgt aactctagct ctatggatc tgaccatctt 120
ctggactt cagcacctgc acataatgtgg cagacacata tacgcttaag taaaataat 180
taaaaaaaaac gaatctttaa aacattttt aaaagaagtg atggagtgaa ttccctgcctt 240
atggactgtt gggaaatggaa ca 262
  
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<210> 439
 <211> 272
 <212> DNA
 <213> *Fattus norvegicus*
 <400> 439

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tgggtttttt tcactgggaca acttgggaca ccgctgagtt actaacagct ttttttttttacac 60
agttaggaaga ggggcataga gagctgtgcc tctatggta gcctctgggatctgaagttt 120
ccacgacttag tggttggaca cctgggaggc tggctaccta cctgtcttac tccctgaagg 180
  
```

acagggttga atctctgggt tccagtcctt agggagatgg agtactgtct gtcagctgtc 240
 ggctgtgctt tttaagagg ccaaattgtt tc 272

<210> 440
 <211> 234
 <212> DNA
 <213> *Rattus norvegicus*

<400> 440

acagaaccca aactgtact aatcacggag aagaatgtgg aggacaagaa taaggctaga 60
 agccagagca aqgtgaggact gagcaaggaa agggagaacc gattgccatc ggccttcatg 120
 ctctggtttag ggtgagggtt gggccaagag gactgggcct ggcagatctt caagtcattg 180
 ggaagatgga gataccactg taggggtgaa caccgggaga cctaggagat cccctccca 240
 ccccttcctt tggccatcgaa ttcaactctg tcccgttccc tgac 284

<210> 441
 <211> 233
 <212> DNA
 <213> *Rattus norvegicus*

<400> 441

ctgaacttga ccaaaggag actcaggtt gaaacaaaat cccagggatg atacacggaa 60
 aaactccatt aagcacatgt acatacatgt gtaattcaaa cgctgcactt gagagactga 120
 ggcaggagga qatctatcga aaggttggaa ccaactagct gttaggctagc ctgggctatg 180
 ctgttaagac ctgtcacaa agtacaagaa gggagaataa aagaatattt cct 233

<210> 442
 <211> 273
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(273)
 <223> unsure at all n locations

<400> 442

accgactgtatccacgg atgctaatttga agctggtagt cctccggact ttgagcagcg 60
 tccattcaga gcaagtgttt gcncatcgcc tgcaggacaa aaaacttccc cctctgtct 120
 ccgagatctg ggtatgtccac gaatgactgt ttctccgtgt cctcngtgtt ggcaaggcag 180
 ctgaagttac ngnngttc nnngaanggg nanannctgg ggagagaaaa nnntncagggg 240
 gncgagaaaa agagacnctt nttnnngnaa aag 273

<210> 443
 <211> 264
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(264)
 <223> unsure at all n locations

<400> 443

gmuagaagga aggttctctc ttccacctgtct tctattttact tgccagcaca tctgttggga 60
 tcuauataacc ttgtgagatg gageaactac tagatcctt gacttccac tcatacgctga 120
 tcutgttag ggggttggac tacagactgt aaatcatcat aacaaactcc cttactgtat 130
 agaggctatc cataaagttct gtgactctag agaaccctga ctactacaga ccctgtttca 240
 aaaaagaage aaaaagtttagc tggg 254

<210> 444
 <211> 283
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(283)
 <223> unsure at all n locations

<400> 444

gagguatcca attttctgag ctccacaaggc cactctgcan nntcagatag tcaccagggt 60
 caattacagga ggaattgttc catctgagag acccagcatg cattataactc gctgtctgct 120
 gtttctctgt gctggactct tggaactctc tcacagtcaag ccagaccaag aagagcctga 180
 caatacaacc aacccaaacc acagttgttc tcacagcaga acatctccag ctaccagatt 240
 gctctggna atgcacaactt tgccttccgc ctctaccacc tga 283

<210> 445
 <211> 290
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(290)
 <223> unsure at all n locations

<400> 445

gaaattcaat ttgggttttc aaaattgatt cttaagaaat atataccccc ataaggaaat 60
 aatatcacaa tctcataagg natggggaaat acagacnagg tacnntttca ggcacattca 120
 gtgttaaatat atgttagtcat ttatactgnn atattaaata atattatatt tgtgaagaca 180
 gagattttag tcttacaatg taaatganaa acagacaaac ctaatcagat atctggctgg 240
 tgaqccatt ggtcagtgtt aggaatttcc agtcaggaga agaccctcta 290

<210> 446
 <211> 165
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)...(165)
 <223> unsure at all n locations

<400> 446

ggggaaacac attcaaagaa gaatcaggaa gagggatgtg atagggtgct tatggatggg 60

aaaccgagaa agganataac atttgaard taaatgaaaa atatccaatt aaaaaaaaaa 120
aancaaaccc tgcccagant tttgcncngng ngacaaaaan agaga 165

<310> 447
<311> 173
<312> DNA
<313> Rattus norvegicus

<320>
<321> unsure
<322> (1)..(173)
<323> unsure at all n locations

<400> 447

gggaggngcc cttttccca ccaccagaag agtttggtt catccatgt gtacctgtg 60
aggaacgtgt gggactgca gtcctccca agaccataga ggagtgtgag gtgattctga 120
tggggact tctggatct ggaaagaccc agtgggact gaaatatgca aaa 173

<310> 448
<311> 189
<312> DNA
<313> Rattus norvegicus

<400> 448

gttattaagg ataaaactgtt taatcaaatt aacgttgctt agttactgtt gagtacttt 60
cctcagagct ggcgtgcggg aggagaagaa gctcaaggaa cattctaacc cagttaccag 120
aactcagata guagactaag gtgctgtgt acgtcctgag tattagcact gtaataaac 180
tgtcacatg 189

<310> 449
<311> 165
<312> DNA
<313> Rattus norvegicus

<320>
<321> unsure
<322> (1)..(165)
<323> unsure at all n locations

<400> 449

gtattncc agancaganc gtgtattgaa acataaacgt atgtccatg aaaatcacga 60
caaaaaacta nnngatgtn ccattcaan gtggccttct gtacatcana ggnagattct 120
ggcttctac ggcaccagaa gntgttac tggcnanaan aaant 165

<310> 450
<311> 184
<312> DNA
<313> Rattus norvegicus

<320>
<321> unsure
<322> (1)..(184)
<323> unsure at all n locations

<400> 450

cngggggaca attaaaggga ctgtgcgtac gtttctctca tgaatgaagg aagctgtctg 60
 aacaaagaat tactgattca gctacgcagc agaacatatg tgctctactc tttcaagatt 120
 aataatcttg ctttatgtca tattgtatat ttaatcttag tctgttgcnq gggagggct 180
 atgc 184

<210> 451
 <211> 271
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(271)
 <223> unsure at all n locations

<400> 451

tgcayccctt cttccgggg cattctgttt ccagnccact tgggctatg tagtcctctc 60
 ttctgtgctg aggctggcc cacgtcacaa gcatttcctt ccagacccac aacccagg 120
 gactggaca aactggggca gcatgatttgc ccacttgctt gccccgtga tcccagccg 180
 atacccctcc tctctactct cccaggagac tctcaggccc agtgtgaccc tggggcttgg 240
 ctgagaagct gacccagccc cagggccagc a 271

<210> 452
 <211> 103
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(103)
 <223> unsure at all n locations

<400> 452

caaggagaag cagataaaga agcaaacggc tnctcgctga gctggtgaaa cancaagccc 60
 aaggccacaca qaagattcag ctgaagacgg tcatgggtga tct 103

<210> 453
 <211> 284
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(284)
 <223> unsure at all n locations

<400> 453

gcccacagtcc cagcggancac cacagccgct cccgccttct ccgtgtcggg cgatccccag 60
 tctgtccca aatgcctgt ggacttcaac gggtaactgga agatgctgag caacgagaat 120
 ttccaggagt acctgcgtgc gctcgatgtc aacgtggct tgccaaaaat cqccaaacttg 180
 ctgaagccgg acaaagagat cgtgcaggat ggcgaccaca tcatcatccg caccgtgac 240
 acttttcgaa actatatcat ggacttccaa gttggaaagg agtt 284

<210> 454
 <211> 277
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(277)
 <223> unsure at all n locations

 <400> 454

 ttcttcataa gggcttcca aattaagtct gtccagtaga gtgatttgc ttattattac 60
 caaauataca acagcttagt aaccgttaga gcatgcgaag aggggctgta actatcacca 120
 tacatgcact gtcccggtt ggtgtgacac gggagacgtg tggatcatgt gatcattgt 180
 aacacattgt gagctttaaa ataaagtcca ccctgtggt tcaaaaaana aaaaananan 240
 nannaggagn nannannncn ggattangga ccncccc 277

 <210> 455
 <211> 155
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(155)
 <223> unsure at all n locations

 <400> 455

 aaatogaacc catgaggaat gccaccaaag gctgcaacga gtctgttagat gaggtccaca 60
 nggatgtt gctgccagga ctgctctgcc gtctgcngtc ccaaacccca tcacccacaa 120
 tccctgacac actaataaaag gcttttgac ctcaa 155

 <210> 456
 <211> 277
 <212> DNA
 <213> Rattus norvegicus

 <400> 456

 ggggatttgc tctatctgac accttctgtt tcttcattct aaagtgggt catgctttta 60
 ggggtggtgt ygcgggtgcc atgaaagtgg taatgcattgt gttgatgcag ggattatgca 120
 aactgaaact ttttctcagg ggcctatgtca gatgtgtgag aatacctggta ctccctggtt 180
 tccctccatag taaaggggtt ttctccact ctctacaagt ctcttcatgc cagagggttt 240
 tcaagactcc catttagtgg ccaggaggat ttcatgg 277

 <210> 457
 <211> 277
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(277)
 <223> unsure at all n locations

 <400> 457

<210> 461
 <211> 131
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(121)
 <223> unsure at all n locations

<400> 461

cngctccgct cgcgtcgaa cctcngtctt cagctcaactg ctttcactcc agacttcacc 60
 atgtccgtca gggtgacnca gaaatctan aagangtcca cctcnggtcc cggggacttc 120
 a 121

<210> 462
 <211> 133
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(133)
 <223> unsure at all n locations

<400> 462

cygggatccg aytgcagac nacgtgngtg cncangagcc acctcnggag tttgaaccan 60
 gacccctata aatccnnnag gctgtcctca gcttgngnac agcctnagcc actccaaant 120
 tngatcaaac gtt 133

<210> 463
 <211> 281
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(281)
 <223> unsure at all n locations

<400> 463

cngcggcg 3ngacgttcg tcatttggtg cgggaggng cgcgagangg tgcgtcgagc 60
 ctccgggtgc ccaaactaga ggtgagcatg gcagaacagg aaccactgc tgagcagtc 120
 gctcagatag ctggagagaa tgaggaagac gagcactctg tgaactacaa gcctccagcc 180
 cagaagagca tccaggagat ccaggaactg gacaaggatg atgaaaggct tcgaaagtac 240
 aagngggccc tgcgtggcccg agtagctgtc tctgcagacc c 281

<210> 464
 <211> 264
 <212> DNA
 <213> *Rattus norvegicus*

<220>
 <221> unsure
 <222> (1)..(264)
 <223> unsure at all n locations

<400> 464
 gtcggggng cnctgcgcgc cggggngttc tgtgncttgc ngtctgttc cctccgattg 60
 tgcctancaa tgaccaccca gcagantgtt ctccaggccc cgggaccncng gggttccga 120
 ntctgtgggcg gcaaggactt tgagcaacct ctgcattt cccgggtcac tcccgaggac 180
 aaggntgnra tagcttaactt atgcataagga gatttnatca cagccattga tggggnagat 240
 accancagta tgacaaatnn gaag 264

 <210> 465
 <211> 277
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(277)
 <223> unsure at all n locations

 <400> 465

 gtccttaggg aggctctctg caataggtgc cggcccaagc tttttttca aatgtctac 60
 tgcctcacgaa atccctgtgca acnctcagct tggagggtga tcattctaca ccccaagtg 120
 cccnatgggtc gytcaaaaccc tacaccaact tgcacgntga gagggtatgt ttgaacattg 180
 aaaaagcaat caagaccaaa ggcgtggacg aggtcaccat tgtcaacatt ctgactaacc 240
 gcaagcaatgc acagaggcag gacattgcct tcgccta 277

 <210> 466
 <211> 249
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(249)
 <223> unsure at all n locations

 <400> 466

 tgggatcccc aggggctaat gggcatcctg ttcttgacgc agggnaactgt gagaaagtct 60
 ctcacccgtga ccaagtttct ctgagtgcc agccaaccca ggctcaccag ctccctcnag 120
 ctacccgcncg tccatcagggt caactgccaa ccccaaggctg aanacccaaac ccagctatga 180
 gtcctggag gcatgactcc ctcaggccca gcagctccga tccctccag tagtgatcat 240
 gggcnaggg 249

 <210> 467
 <211> 253
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(253)
 <223> unsure at all n locations

 <400> 467

 tacacgcgcgc cgcttgncc gcccacatgt ccctagtat ccccgagaag tttcagcaca 60

tcctgcgagt actccaacac caacatcgat gggggcgga aaatagcctt cgctatca 120
 gccattaagg ttctggccaa cggtctagac aacaagctgc gtgaggacct ggagcggtg 180
 aagaaaaatcc gagcccatag agggctgcg: cactttggg gccttcgtgt ccggggtcag 240
 cacaccaaga cat 253

<210> 468
 <211> 301
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(301)
 <223> unsure at all n locations

<400> 468

gcttctatg ttgcggaccc cgagacgtt ctaaagaagc atctgagggtg gctganagta 60
 ctccccgtg ttactccctt ctatgcgtt: aagttaatg acagcagagc catagtgagc 120
 acctggctg ccattggac aggatttgat tggcaagca agactgaaat acagttggtg 180
 caggagcttgggtgcctcc agagaggatt atctatgcaa atccttgtaa gcnaatgtct 240
 cagatcaagt atgtgccag taatggagt: cagatgtga ctttgacag tggaaatttag 300
 t 301

<210> 469
 <211> 136
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(136)
 <223> unsure at all n locations

<400> 469

ttccggcgga ggcgcgttctt tctttttctc cgcagggtgc gcggtggcag ccgctgcgg 60
 gctggctcc ctaagctatc cggtgccatc cttgtcgntg cggcgacact cgcaacatct 120
 gcagccatga ccgagc 136

<210> 470
 <211> 147
 <212> DNA
 <213> Rattus norvegicus

<220>
 <221> unsure
 <222> (1)..(147)
 <223> unsure at all n locations

<400> 470

attaaggaaa atggaggctt ggactcagag gaagtcttat cccnatgaag caaaaggatg 60
 gatcnnntgta aatacagagc tgagtatgnc tngtggctaa acgancacag ggtntgttgt 120
 atccccctcng caaagatgta ngccttc 147

<210> 471
 <211> 294
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(294)
 <223> unsure at all n locations

 <400> 471

 gctatacagga cagctcatca tgtgggaga aatgttggc gctgctatag gaggagttgt 50
 ggctgtncgc agctgcaccc gnccgtcctg tctgccgtgg gcttcactgg gtcaggcatt 120
 gggcaatctgca tcccatagcg ggncaagatg atgtctgtc cagcagttgc caacggggc 180
 ggagtcgnncn caggaagcct tggtagccan actacagtcc antangtgtta tttggnnntn 240
 tccaaacatna ancaacnacatc catcttgggg tctttggng naanccatna gagt 294

 <210> 472
 <211> 300
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(300)
 <223> unsure at all n locations

 <400> 472

 atttcragcga gagacagagg gagttagcgg gcgggttggaa agagcccagt gtgcagagcc 60
 ccacccgggg cttccttagga aggcaagtct ggagttagaa gggcttgc tccaggcttgc 120
 ctgcgttcctc gacccaatcc tcccgtgac ccaacatcag cggtcgcaac cctcgccgccc 180
 ttgggaaac tttccccatt gcaacgggca gacacttctc actggaaactt acaatctgcg 240
 agccaggaca ggatccccag ggcgcaggan ggaattttgt ctattggac agtgttctct 300

 <210> 473
 <211> 276
 <212> DNA
 <213> Rattus norvegicus

 <400> 473

 gtccttcagc agtcctggat tcagaatggaa accatcaaag acaacatcct gtttgggtcc 60
 gaatacaatg aaaagaagta ccagcaagtt ctcaaagcat gcgctctcct cccagacttg 120
 gaaatattgc ctggaggaga catggctgag atcggagaga aggggataaaa tctcagtggt 180
 ggtcagaagc agcagatcg cctggccaga gctgcctatc aagatgctga catctatatt 240
 ctggacgatc ccctgtcgcc tggatgtc catgtg 276

 <210> 474
 <211> 155
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(155)

<223> unsure at all n locations
 <400> 474
 ancaactetc tggacacctga gagggatcg ccagagtaag agtcgtggc ttgattgtaa 60
 cttcagaata gcctaagagt gaagcaanca ctctgccatt acttgggant cttctgcctc 120
 cgttgtgaga ggtatgttcg gagaggttca ccagc 165
 <210> 475
 <211> 282
 <212> DNA
 <213> *Rattus norvegicus*
 <220>
 <221> unsure
 <222> (1)..(282)
 <223> unsure at all n locations
 <400> 475
 gggncggctt ggtggcctcn attgagatnc ngaggatcna aggactgtgt anctacaatg 60
 ttggtaagac tttccgtat gtaggnctc tttgnggtgt ctcatncnnng ggaggtaatt 120
 gtggaaacgg tggacacttac tatctgtatg atgnccatga acatgttcac cggcaacaac 180
 aagatctgtg gttgaaatta tgagtgccta nnatttgaag angacgtgct gancagcgcac 240
 atcatcanc tcaagganaan ccggtnatcg ccatccgtac at 282
 <210> 476
 <211> 225
 <212> DNA
 <213> *Rattus norvegicus*
 <220>
 <221> unsure
 <222> (1)..(225)
 <223> unsure at all n locations
 <400> 476
 ggccgtctgg actgagcagg gctttccttg ccagtggatt gtgttagatg tacagccagt 60
 ctcttgttctt ctgtccaaaca tggcatcttc tgatattcag gtgaaatgct tccggccagg 120
 ctttgtgtatccagcctcg atcaaaagaa ttgtcccgag tccccttcc cccaaagaga 180
 ggnccatcctg agaatcagag aatagantga agaaaganct agaca 225
 <210> 477
 <211> 296
 <212> DNA
 <213> *Rattus norvegicus*
 <220>
 <221> unsure
 <222> (1)..(296)
 <223> unsure at all n locations
 <400> 477
 aggacaccga gattgagatc tcgcacnctt cactggtaga aaggaaatc aataaagccc 60
 agaacttgat ngctgggaa gggttgaaga ttagctctga tctcattagc ttggaggta 120
 gctctccaca tgtcccagac ctnactctga ttgaccttcc tggatcaca agagtggctg 180

tgggtgacca gctgcagac atcgaacaca agatcaagan acttatact gaatacatcc 240
 agaaaacagga gaccatcaac ctggtggtgg tccccagcaa tgtggcattt ccacca 296

 <210> 478
 <211> 294
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(294)
 <223> unsure at all n locations

 <400> 478

 gagatgcactc tgcatggctt agagagcagc tccccctctt ccccaactgtc agccagtgcg 60
 cagtccaccc tttgtgggctg cggagcacct ctgcccgcagc ccagacatct tccctggaca 120
 gagggttggaaac aagcataggc qctttcagaa tacccttagcc gtcctccgga agtctggttt 180
 gntggaaatc actctgaaag ccaaggagtt gattcgttag aaccaagcaa ctnaggtna 240
 actgtttaccag ttgttggaggc aaaccagatg ttatagagg ccaccaagac aggg 294

 <210> 479
 <211> 281
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(281)
 <223> unsure at all n locations

 <400> 479

 aaatctgtac aaaaagaatct aatgttcagg aggttcgtatg tccagtcact gtgtgtggag 60
 atgtgtcatgg gcaatttcat gacccatgg aactcttttag aattgtgtt aaatcacaga 120
 tacaatttac ttgtttatgg gagactatgt ggacagagga tattacttag ttgaaacagt 180
 tacaattgtttt gtagctctta aggttcgtta ccgagagcgt atcaccatac tccganggaa 240
 tcaacatggc agacagatca cacaagtttta tggtttctac g 281

 <210> 480
 <211> 293
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)...(293)
 <223> unsure at all n locations

 <400> 480

 ggccggagcag tcactgtttt angagctctg agcnctggca gctgcacact tcagttcacc 60
 aaccctaggag ctttctctt gnggaagggg tgganatagc ttttaaaga cactgcaacc 120
 agaaaagccaa gcattctgtc actaaggcagg anactgagtg cccacttgga agaagaaata 180
 aaagatggtt cttagcacag agggaaacag gagttttgtat ttagtcaact taccctgtt 240

cccaactgccc gatggagagg ctggcgtagg ggagaacaac gggattcctt gna

293

<210> 481
<211> 298
<212> DNA
<213> *Fattus norvegicus*

<220>
<221> unsure
<222> (1)...(298)
<223> unsure at all n locations

<400> 481

ctccagctag ctcagtcata cagcctaagc ccttaaagcg tttcaaacga gctacaggga 50
agaaaagggtcc ctcgcacccgt caggggtctg gtgcagagtc tgaagnccctg tatgactttg 120
ttttttattgt cgtctggtag aaataggatg gtgaagagat ggagattggg gaagtagctt 180
ggggaaactc tggatngatc aatncccagc tngtttgggg gttccnagcc anaagaggca 240
nncccagnng ctcgnnaat ttgnncacnc ctggagctgt cnacaattcc tcttccnc 298

<210> 482
<211> 65
<212> DNA
<213> *Fattus norvegicus*

<220>
<221> unsure
<222> (1)...(65)
<223> unsure at all n locations

<400> 482

ggtgangtga agctgctaaa ccccattttg gctgctgctg tggagatgt gtgttttag 60
atgtta 65

<210> 483
<211> 270
<212> DNA
<213> *Fattus norvegicus*

<220>
<221> unsure
<222> (1)...(270)
<223> unsure at all n locations

<400> 483

ggccggccgt gaggnngcgt ggagctgccg gtactggttt tggatttagga atggtttct 60
ccctcacctt ctttaagaga agaaaagtggc cattagcctt tggttctggc gtgggactgg 120
ggatggccta ctcacactgt cagcatgact ttcaggctcc atatcttcta catggaaaat 180
atgtcaaaga gcaagtgactt atgctangaa catcccagcg ggagaaaaga gaagcctcgt 240
ttattcctca ggaatactga agtgcctgg 270

<210> 484
<211> 277
<212> DNA
<213> *Fattus norvegicus*

<220>

<221> unsure
 <222> (1)..(277)
 <223> unsure at all n locations
 <400> 484

 gggaaugctac ctatccggta gacajctccc cctgcaccta cggctgccc gacttccgca 60
 ctgacccaag ggcttggaaacg aatcccagac cagcttggct accttggct gaggcgaagg 120
 gtag'gctag cgtcatctgg ggtatctttag aacgatgagc aggccagccag cgcctatctna 180
 gagctggtca gcacagcctg tggcttccgg ctgcaccatg gcacgaacat cccttcaag 240
 cgcttgtctg tggctttgg tgaacacacg ctgtctgg 277

 <210> 485
 <211> 279
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(279)
 <223> unsure at all n locations
 <400> 485

 caatgactca cagcgacagg gccactaagg atgttggca gatatctggg ctaaatgtgc 60
 tcccgagtat caacgagcc acajgtgcag ctctggctt cggcttggac aaatccgaag 120
 acaaagtcat tgctgtataat gattttaggtg gagaaacctt tgacatttct atccctggaaa 180
 ttcaaaaagg agtgtttnan gtgaaaatcca ccaatgggg aactttctt cggaggtgaag 240
 attt'gacca agctttgtt cggcacattt tcaaggagt 279

 <210> 486
 <211> 204
 <212> DNA
 <213> Rattus norvegicus

 <220>
 <221> unsure
 <222> (1)..(204)
 <223> unsure at all n locations
 <400> 486

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